

Triad Engineering, Inc.

Statement of Qualifications



Twin Falls Resort

A/E Services

Outdoor Pool and Structures

10541 Teays Valley Road | Scott Depot WV 25560

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WV PURCHASING
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TRIAD
TRIAD ENGINEERING, INC.

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PROJECT OVERVIEW AND BRIEF APPROACH TO MEETING PROJECT GOALS AND OBJECTIVES

The West Virginia Division of Natural Resources (DNR or Agency) Twin Falls Resort State Park operates an 18-hole par 71 golf course, designed by Geoffrey Cornish and George Cobb, that is open year-round, weather permitting. The Resort currently has a golf pro shop in the existing recreation building.



Built around 1969, the recreation building and outdoor swimming pool have reached the end of their useful life and are beyond repair.

Based on the request for qualifications, we understand the DNR desires to secure the services of an engineering firm to provide design and construction-related services to replace the outdoor swimming pool with either a spray park or a splash pad near the site of the existing pool. The Agency also wishes to replace the existing golf pro shop with a shop in a new building.

Engineering and architectural services required may include:

- *Reviewing existing conditions and interview personnel*
- *Present options and make recommendations*
- *Preliminary engineering and architectural services*
- *Preparation of construction documents including plans and specifications, and permit applications*
- *Bidding and contracting assistance including evaluation of bids*
- *Construction administration including construction observation services, as needed*



Triad's team has substantial experience with site development and recreation projects, both new and retrofit, as can be seen in the attached Past Project Experience and References. Our team has provided assistance ranging from capital improvement projects, funding assistance, environmental analysis, on-going technical / management consulting services, planning and programming, design, and construction phase services for facilities and site

infrastructures. We deliver assistance and guidance in resolving problems while providing high quality and innovative solutions through sustainable design. We have assembled a dedicated team whose number one goal is client satisfaction.

The Triad Team will complete this project with proven experience and resources by forming a team with TSHD Architects to design and manage the project. The following is a general project breakdown of tasks to be undertaken by both Triad and TSHD for your project based on the information available:

- Design a project that meets all DNR and regulatory agencies requirements
- Oversee the construction of the project to ensure the project is built as designed and with minimal disruption of current system operations
- Complete the project on time and within the budget.

PHASE I – INITIAL INVESTIGATION AND PROJECT PLANNING MEETING

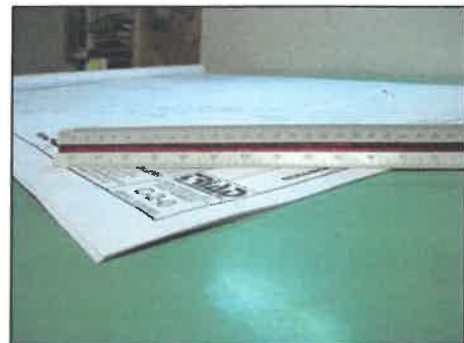
We will schedule a meeting(s) with DNR officials and other stake holders to discuss the needs and possible solutions for the designated project. **Triad will conduct interviews with key personnel and continually communicate with the Agency in the development of a plan for the project. Triad will supply DNR with an assessment of the information and propose alternatives for the upgrades that will minimize disruption and meet Agency objectives.**

PHASE II – PRELIMINARY AND FINAL DESIGN

All facilities will be designed in a manner that is consistent with DNR needs, objectives, current law, and current code, while striving to design and execute the project to meet the established budget. The following tasks are anticipated to be a part of the preliminary and final design for the chosen waterpark and pro golf shop:

Task 1 – Geotechnical Investigation

Triad will perform test borings including Standard Penetration Testing of the soil overburden in the proposed building footprint near the building corners and other areas as necessary. These borings will be used to characterize the rock and determine the level of effort to be required for excavation and determine conditions to assist with foundation design. Upon completion of the field work, we will conduct appropriate soil testing in our laboratory, analyze the results and prepare a detailed geotechnical report.



Task 2 –Site Topographical Survey

Triad will perform the necessary field and office work to collect data sufficient to derive a 1-foot contour interval topographic site map with included planimetric features to provide accurate up-to-date mapping of the project area. Planimetric features in the survey may include buildings, roads, utilities, drains, and other man-made improvements. Topographic mapping will include utility information marked by WV811(Miss Utility WV).

Task 3 – Preliminary Design

The Triad team will perform preliminary design of the proposed improvements, including site layout plan/building layout plan and preliminary structural design. We will review the design with DNR officials and permitting agencies for their comments.

Task 4 – Final Construction Design

We will incorporate comments by DNR officials as well as regulatory agencies into the construction documents. The plans and construction documents may include the following:

Subtask 4.1 – Existing Conditions – A map depicting the conditions at the site prior to construction.

Subtask 4.2 – Demolition Plan – A demolition plan will be prepared to show what needs to be demolished and removed, what areas need to be cleared and grubbed, and what existing features need to be protected during this process.

Subtask 4.3 – Site Layout Plan – A site layout design will be prepared using the approved preliminary design to depict the location of the proposed water park and golf pro shop on the property with the existing and proposed features. The layout will address parking, fencing, pedestrian flow, vehicle flow and other required site features.



Subtask 4.4 – Grading and Drainage Plan – A grading and drainage plan will be prepared using the topographical base mapping and site layout. The plan will show existing and proposed contours, spot elevations, curb elevations, finish floor elevations, drainage system and storm water management facilities.

Subtask 4.5 – Erosion and Sediment Control Plan – An erosion and sediment control plan will be prepared that will include features necessary during the construction process such as silt fence, check dams, temporary construction entrances, and inlet protection.

Subtask 4.6 – Preparation of Architectural Plans – Detailed architectural plans will be developed. These plans will show proposed structural, interior, plumbing, electric and other work.

Subtask 4.7 – Preparation of Specifications – Project specifications will be prepared in accordance with local development standards. Specifications shall be in *Master Spec* format.

The final design will be reviewed with DNR officials and any necessary changes made.

Task 5 – Final Approval

The Triad team will be responsible for preparing permit applications, conducting meetings with various regulatory agencies, and making final revisions to the plans and specifications, if necessary.

PHASE III – BIDDING PHASE

Triad will assist DNR officials in preparing and placing the required advertisement(s) for construction of the proposed project. We will conduct a pre-bid meeting, address contractor questions, issue addenda, if any, conduct the bid opening, certify the bids, and make a recommendation of the lowest responsible bidder to DNR.

PHASE IV – CONSTRUCTION ADMINISTRATION AND OBSERVATION

Triad will provide competent construction administration and observation services for the duration of the proposed project to ensure the project is constructed and functions as designed.

The Triad team will provide the following services during construction:

- Conduct a Pre-Construction Meeting
- Review and Approval of Shop Drawings
- Attend Regularly Scheduled Meetings
- Process Monthly Pay Requests
- Preparation of Change Orders, if necessary
- Conduct a Semi-Final and Final Inspection and Develop a Punch List
- Preparation of As-Built Drawings

The Triad team will provide an engineering technician during construction for quality assurance/quality control (QA/QC) monitoring of the progress of the contractor. This can be provided on an as-needed or full time basis. We maintain a staff who are certified by ACI, WVDOH, VDOT, NICET, and numerous other local, state and/or nationally recognized organizations.



PROJECT COORDINATION AND COMMUNICATION

Triad will assign **Lee McCoy, PE** to serve as the Project Engineer and Project Manager on this project. Mr. McCoy will serve as the DNR contact for the project. If a question or concern arises during the planning, design, construction, or project closeout, DNR staff may contact Mr. McCoy or any Triad team member at any time.

We will provide status reports during the planning and design phases of the project at a frequency requested by our clients. The status report provides regular updates on the project. Triad also holds regular internal meetings and conference calls from the start of the project to close out of the project. The meetings and calls permit all project team members to efficiently discuss project activities.

During the construction phase of the project, Triad will conduct progress meetings. These meetings are schedule at a frequency desired by the client. At the progress meetings, all aspects of the project are discussed with the contractor and our client. The progress meeting agenda typically includes the following:

- Outstanding Issues
- Work In Progress
- Critical Delays (Lead Time On Project Components)
- Non-Critical Delays
- Submittals
- Requests for Information
- Complete Items and Agreement on Quantities
- Dispute Resolution
- Pay Requests
- Contractor Issues
- Open Discussion



COMPANY BACKGROUND

Triad Engineering, Inc. is a multi-disciplinary engineering firm based in the Mid-Atlantic region specializing in the areas of geotechnical engineering, civil and utility engineering, surveying, construction materials engineering and testing and inspection, environmental consulting services, drilling, and other earth science related disciplines. Since its founding in Morgantown, West Virginia in 1975, Triad has provided engineering consulting services on thousands of projects of varying size and complexity.

Triad currently maintains approximately 165 technically sound employees located in eight offices across five states. Our work force includes environmental scientists, geologists, hydrologists, civil, geotechnical and mining engineers, landscape architects, chemists, surveyors, trained Computer-Aided Design (CADD) draftsmen, field and laboratory technicians, drillers, and support personnel. We pride ourselves on a very low turnover rate, which adds to continuity and enhances the level of productivity and experience afforded by Triad.

With over 43 years of service in West Virginia and surrounding states, facilities and equipment available to support our staff have continued to evolve through the years to adapt to the changing needs of the market. We have developed a fleet of drill rigs and support vehicles to meet the needs of our field operations. Well-equipped material testing laboratories are maintained to provide support for our geotechnical engineering and construction monitoring projects.

Each office maintains networks to support CADD functions, hydrogeologic evaluations, water balance modeling, roadway design, storm water management and surface water drainage, design, stability analyses, risk assessment, survey data reduction, and mapping. These broad, in-house capabilities give Triad better control over project schedule, quality and cost, thereby minimizing problems that can occur during the various contract phases.

Scott Depot

10541 Teays Valley Road
Scott Depot, WV 25560
304-755-0721 Phone

Morgantown

1097 Chaplin Rd.
Morgantown, WV 26501
304-296-2562 Phone

Winchester

200 Aviation Drive
Winchester, VA 22604
540-667-9300 Phone

Northern Virginia

46040 Center Oak Plaza
Suite 180
Sterling, VA 20166
703-729-3456 Phone

Athens

1005 East State Street
Suite 10
Athens, OH 45701
740-249-4304 Phone

Hagerstown

1075-D Sherman Avenue
Hagerstown, MD 21740
301-797-6400 Phone

Pittsburgh

201 Penn Center Boulevard
Suite 400
Pittsburgh, PA 15235
412-257-1325 Phone

Mechanicsburg

4999 Louise Drive
Suite 103
Mechanicsburg, PA 17055
717-590-7429 Phone

TSHD Architects began in 1916 as Devoss and Donaldson, Architects and has evolved over the past 100 years into TSHD Architects. Located in Portsmouth, Ohio, TSHD is engaged in the general practice of architecture. With a diverse group of registered architects, young professionals, interior designers, draftsmen, and supporting staff, they have the necessary personnel to meet your project schedule, while retaining direct project management by the principals.

Licensed in Ohio, Kentucky, and West Virginia, TSHD is a regional firm with projects scattered throughout more than a 100-mile radius, including all of Southern Ohio, Eastern Kentucky, and areas of West Virginia. They have a diverse list of successfully completed types of projects, including: athletic and recreational facilities, commercial and retail, schools and universities, civic buildings, banks and financial institutions, and health care.

Examples of recent projects completed by TSHD:

Athletic and Recreational

Highlands Wellness Center, Prestonburg, KY
 Splash Pad at Friends Park, Ironton, OH
 Davis Stadium, Oak Hill Schools, Oak Hill, OH
 Clark Athletic Complex, and Trojan Stadium, Portsmouth High School, Portsmouth, OH
 Frank & Janis Waller Gymnasium, Shawnee State University, Portsmouth, OH
 Pike County YMCA, Waverly, OH
 Washington-Nile Local Schools with Athletic Complex, West Portsmouth, OH
 Wheelersburg K-12 School Gymnasium, Wheelersburg, OH

Commercial and Retail

Community Hospice Office Building, Ashland, KY
 Boyd County Public Library Renovation, Catlettsburg, KY
 Car City Dealership, Louisa KY
 Burger King/Zip Zone Convenience Store, Wittansville, KY
 First Baptist Church Faith & Fitness Center, Ironton, OH
 Bender Law Firm, Portsmouth, OH
 Glover Street Apartments LLC, Portsmouth, OH
 Hill View Retirement Center Chapel, Portsmouth, OH
 Southern Ohio Museum of Art, Portsmouth, OH

Civic Buildings

South Shore Volunteer Fire Department, South Shore, KY
 Portsmouth Central Fire Station, Portsmouth, OH
 Scioto County Job & Family Services, Portsmouth, OH
 South County Welcome Center & Chamber of Commerce, Portsmouth, OH

Schools and Universities

Fairmoor Elementary, Columbus, OH
 Manchester Elementary, Manchester, OH
 Clay Local Schools PK-12, Portsmouth, OH
 Portsmouth West Middle School, Portsmouth, OH
 Shawnee State University Clark Memorial Library, Portsmouth, OH

TSHD's philosophy centers around the company's core purpose "to creatively serve our clients, communities and employees". At TSHD, they listen to your concerns and work with you to develop creative, affordable solutions.



TSHD
architects

QUALIFICATIONS

Triad has assembled a team of individuals with broad experience to bring knowledge and expertise to your project. The professional staff assigned to this project possesses the necessary and exceeding qualifications in their areas of proficiency.

Our principal in charge, **Larry "Lee" McCoy, PE**, brings over 20 years of leadership, design construction and project management experience to Triad Engineering as the Southwestern Regional Manager and Civil Engineering Department Manager for the Scott Depot office of Triad. His expertise includes civil design, construction management, surveying, stormwater management and water resources engineering. Mr. McCoy has designed and managed projects in numerous disciplines including parks, streets/highways, bridges, retail/commercial site preparation, parking lots, buildings, retaining walls/foundations, as well as recreational facilities.

Joe Young, RLA, is a senior landscape architect in our Scott Depot office. Mr. Young has over 30 years of experience in landscape architectural services including site inventory and analysis, program production, conceptual design, design development, high quality graphic presentations, project management, construction document preparation and construction administration. Mr. Young has worked with Triad's clients on a full range of landscape architectural services, including parks and recreation design, open space and recreation planning, streetscape design, historic landscape rehabilitation and restoration, campus planning and design, corporate site development, presentation graphics and master planning. Mr. Young works closely with our engineers and support staff from project inception to project completion to assure our clients receive the most cost effective results for their projects within local and federal rules that protect the land. For clients that do not have total project funds available to complete a large project, Mr. Young works with them to develop a master plan that allows piecemeal construction of their project to match available funding resources without losing sight of the overall project purpose.

Todd Griffith, PE, is the Geotechnical Engineering Services Manager at the Scott Depot office of Triad. Mr. Griffith possesses over 13 years of geotechnical engineering experience working with public agencies on projects involving site and subsurface investigations, design and construction of new or modified bridge foundations, cut slope analysis and design, fill slope analysis and design, the elevation and design of earth retainage structures (i.e., earthen dams, MSE walls, reinforced soil slopes), laboratory testing and stream bank erosion mitigation.

James Criniti, PE is responsible for staff support of civil, utilities and surveying projects. He has participated in the design and management of numerous projects including retail/commercial site preparation, airports, parking lots, buildings, retaining walls, foundations, sanitary structures, water and waste water, as well as boundary and topographic and photogrammetric surveys. Duties have included hydrologic and hydraulic analysis and design, erosion and sediment control plans, storm water management, field surveying, preparation of construction and as-built drawings, project specifications and preparation of various permit applications. Mr. Criniti is also versed in performing smoke testing of sanitary sewer systems and CCTV camera work.

Lloyd Kirk, PS, is currently the Survey Manager for the Scott Depot office of Triad. In this capacity, he is responsible for the supervision of the survey crews, overseeing the field work through drafting to the finished product delivered to the client, meeting with clients, and performing field work on large and complex projects. Mr. Kirk is experienced in, construction layout, boundary and road work surveying, photogrammetric and topographic surveying. Mr. Kirk has been involved in survey projects in several states including West Virginia, Kentucky, Virginia, South Carolina and North Carolina.

Jobe Hope is the Field Services Manager for the Scott Depot office of Triad. In this capacity he oversees the field staff, by handling calls from technicians on technical matters, staffing and scheduling and serving as the branch RSO. Mr. Hope also handles in house QA/QC, schedules training classes, and keeps all records of inspections and calibrations. In addition, he writes proposals for perspective jobs, assigns new jobs and lab work, and writes all QC plans.

Please see the attached resumes in Attachment A for more information, *including professional licenses*, on key personnel for **Triad Engineering, Inc.**

The roles of our most qualified personnel are illustrated on our organizational chart.

Triad will partner with **TSHD Architects** for this project. Please see Section VI for their company bio, resumes, and relevant project experience.

MANAGEMENT AND STAFFING

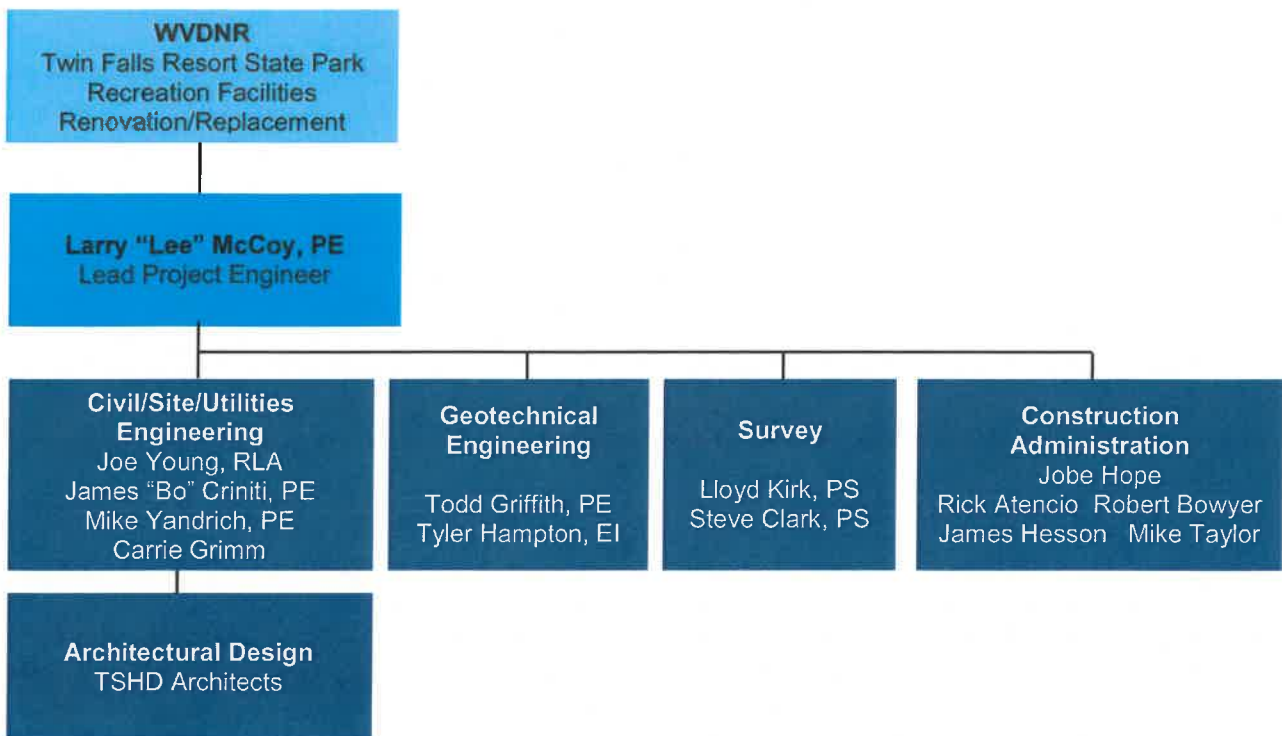
Engineers

All of the engineers who will provide services for this project are registered professional engineers and are in good standing.

Professional Liability Insurance

Triad Engineering, Inc. carries Errors and Omissions Professional Liability Insurance, Commercial Liability Insurance, and Automobile Liability Insurance, all at least \$1,000,000.

Project Organizational Chart



Experience and Expertise

The information under the *Past Project References* attachment clearly shows that Triad has extensive experience in similar projects. The materials provided also indicate that the Triad team assembled for this project has the expertise necessary to complete this project.

Capacity to Perform Project Scope

Triad provides a full range of in-house services including designing, surveying, drilling and testing, construction monitoring and environmental services. Our company maintains a staff of approximately 165 technically sound employees. Our footprint stretches across seven offices in five states where, should the need arise, we can call upon those resources at any time.

ATTACHMENT A
Staff Résumés



EDUCATION

West Virginia Institute of
Technology, WV
BS, Civil Engineering

PROFESSIONAL EXPERIENCE

22 Years

REGISTRATIONS & LICENSES

- Professional Engineer,
WV, KY & OH

PROFESSIONAL AFFILIATIONS

American Society of Civil
Engineers
Society of American Military
Engineers
Association of State Flood
Plain Managers

SKILLS

- Civil Engineering
- Transportation
Engineering
- Site Development
- Planning and Surveying

HIGHLIGHTS OF EXPERIENCE

Mr. McCoy is Triad's Southwestern Regional Manager and the Civil Engineering Services Manager for the Scott Depot office. Mr. McCoy has over 20 years of leadership, design construction and project management experience. He is responsible for the oversight of the Scott Depot office as well as the technical and management aspects of civil design and transportation projects within the office. Mr. McCoy has designed and managed projects in numerous disciplines including civil, structural and transportation engineering, site development, planning and surveying. These projects have included streets/highways, bridges, retail/commercial site preparation, airports, parking lots, buildings, retaining walls/foundations, sanitary structures, as well as recreational facilities. Duties included field surveying, drawings and specification preparation, design, design drafting, construction inspection, quality control testing, shop drawing review, project management, contract administration and report preparation.

RELEVANT PROJECT EXPERIENCE

Pendleton County Commission, Franklin, WV

Project Manager and lead designer for a park project near Ruddle, WV. This park includes baseball fields, jousting field, parking facilities, exercise trails, and concession building. Mr. McCoy also managed the preparation of construction documents and aided in the bidding of the project. As Project Manager and Lead Engineer, provided technical supervision and oversight to the civil site design for the construction of this \$300,000 Recreational/ Sport Park. This project included grading, drainage, roadway design, parking lot design, as well as all aspects of designing a large multi-use sports complex. As Project Manager, was also responsible ensuring that the site was able to acquire United States Corps of Engineers Permitting due to sensitive flood plain issues.

Portsmouth High School Athletic Complex, Portsmouth, OH

Mr. McCoy served as project manager and lead civil engineer for this 35 acre development in downtown Portsmouth Ohio. The project involved the planning, and design and preparation of construction documents for a football stadium, baseball field, softball field, tennis courts, outdoor basketball courts, dedicated running track, open green space, parking areas and an extensive underground storm water detention system to meet the stringent standards of the City of Portsmouth.

Oak Hill High School Baseball and Softball Complex, Oak Hill, OH

Mr. McCoy served as project manager and lead civil engineer for this 10 acre development on the campus of Oak Hill High School in Oak Hill, Ohio. The project involved the planning, and design and preparation of construction documents for a baseball field, softball field, tennis open green space, parking areas and an extensive underground storm water detention system, synthetic turf baseball infield, and irrigation for both facilities.

Wheelersburg High School Football and Softball Complex, Wheelersburg, OH

Mr. McCoy served as project manager and lead civil engineer for a football field renovation project and the development of a softball field on the campus of Wheelersburg High School in Wheelersburg Ohio. The project involved the planning, and design and preparation of construction documents for a softball field and the renovation of the football field complex. The football field complex included a new locker room facility, restroom and concessions building, new home bleachers and a synthetic turf surface with an extensive underground

storm water detention system. The design documents for the softball field included a press box, sunken dugouts, backstop and perimeter fencing.

Boone County Sports Complex, Julian, WV

Boone County Parks and Recreation (BCPR) wanted to expand the activities at their existing 130 acre park site near Julian West Virginia. The park is home of the Waterway, a swimming and water slide facility. BCPR enlisted the help of Triad Engineering to expand the facility and to provide other recreational opportunities for the community. The only available land for the expansion was in the Little Coal River flood plain. The development of this area required a flood study. Triad studied the flood prone area and determined that the development would not affect the flood plain or any downstream communities. Mr. McCoy served as project manager and lead civil engineer for this project.

Sue Morris Sports Complex, Glenville, WV

McCoy served as project manager and lead civil engineer for this project to plan and design a sports field project that included a NCAA regulation baseball field for the use of Glenville State University, as well as Gilmore County High School. The project also included two regulation Little League baseball fields, a building that houses a concession, restroom, box seating, and a meeting room.

Logan Embankment Failure Repair, Logan, WV

As Project manager and Lead Civil Designer, Mr. McCoy prepared construction documents for the repair of 4 landslides within the City of Logan. Project coordination was with the city and FEMA as the slides were attributed to local storm runoff. These landslides posed both access issues as well as safety issues to residents. The slides were encroaching on a structure in one case, access to the McCoy-Hatfield recreational trail, and were encroaching on city streets rendering them dangerously narrow with nearly vertical drop offs. Repairs varied from drilled pile walls to soil nailing. The repairs were designed to stabilize the slides and restore city streets to pre-slide conditions.

Cameo Road Relocation, Boone County, WV

Mr. McCoy provided full civil engineering services including road way design for this project. The project consisted of the relocation of approximately 2,500 lf. of County Rt. 9 (Cameo Road) in Boone County. The purpose of the relocation was to facilitate the construction of a haul road for the Hobet No. 7 Coal Mine. TRIAD worked with a project team consisting of the West Virginia Division of Highways (WVDOT) and the Owner, to develop a complete comprehensive set of construction drawings. Roadway features included both stone and asphalt road sections, and berms, ditches and pipe culverts for roadway drainage features.

Sycamore Street Extension

Mr. McCoy designed the extension of Sycamore Street to provide a connecting street for the client. The design was complicated by the presence of design and construction activities on two adjacent sites. Triad provided engineering consultation including soils evaluation, generation of construction drawings, specifications, and bid documents for submission to the Village. Triad also assisted in the evaluation of bids, processed pay requests, and preformed several site visits during construction.

American Church Bridge Replacement, Delbarton, WV

Project Manager and lead roadway designer for the replacement of the American Church Bridge in Delbarton and related roadway work in Mingo County, WV. This project included managing structural engineers, geotechnical engineers, surveyors, other roadway engineers, and designers. Design work for this project included drainage, HEC-RAS analysis, roadway design, and right of way design.

Corridor H, U.S. 48 – Scherr, WV

Project Manager and lead roadway designer for 2.25 miles of 4 lane divided highway in Grant County, WV. This project included managing structural engineers, geotechnical engineers, surveyors, other roadway engineers, and designers. Worked closely with West Virginia Department of Transportation personnel as well as local residents during the highways design through the environmentally sensitive Greenland Gap area.

Appalachian Power: Lakeview Substation, Cross Lanes, WV

As Project Manager and Lead Designer, Mr. McCoy prepared construction documents for the construction of a electric substation in Cross Lanes, WV. This project includes grading, drainage, and a reinforced embankment at a 1:1 slope.

Appalachian Power: North Proctorville Substation, Proctorville, OH

As Project Manager and Lead Designer, Mr. McCoy prepared construction documents for the construction of a electric substation in Cross Lanes, WV. This project includes grading, drainage and utilities. Also involved was a hydraulic and hydrologic study involving a nearby stream.

Bayer CropScience, Institute, WV

As Project Manager and Lead Civil Designer, Mr. McCoy prepared construction documents for the expansion for Bayer CropScience's Hazardous Waste Landfill in Institute, WV. The project included grading, drainage and the design of landfill liner and closure features including both earthen and synthetic liners and drainage features.

Federal Express Ground Distribution Center, Cross Lanes, WV

As Project Manager and Lead Designer, Mr. McCoy prepared construction documents for the development and construction of a 10 acre site to accommodate a distribution center and associated parking and access drives. This project included grading, drainage, detention, roadway expansion, parking lot design, utility design including water and sanitary sewer, water quality design as well as many other aspects.

Commerce Park, Huntington, WV

As Project Manager and Lead Engineer, Mr. McCoy, is responsible for the project design and construction administrative services for a large use development located in Huntington, WV. This development consists of affordable housing apartments, flex space warehousing and office space. This project includes grading, drainage, stormwater management, permitting, parking lot design, as well as many other aspects.

Amazon Call Center, Huntington, WV

As Project Manager and Lead Designer, Mr. McCoy prepared construction documents for the construction of a 70,000 square foot call center with 9 acres of parking in Huntington, WV. This facility houses over 800 customer service employees. This project includes grading, drainage, detention, roadway expansion, parking lot design, utility design including water and sanitary sewer, water quality design as well as many other aspects.

DirecTV Call Center, Huntington, WV

As Project Manager and Lead Designer, Mr. McCoy prepared construction documents for the construction of a call center just outside Huntington, WV. This facility houses DirecTV's customer service employees. This project includes grading, drainage, detention, roadway expansion, parking lot design, utility design including water and sanitary sewer, as well as many other aspects.

William Sharpe Hospital Expansion, Weston, WV

As Project Manager and Lead Civil Designer, Mr. McCoy prepared construction documents for site infrastructure for a 50 bed expansion to the existing William Sharpe Hospital Expansion. This project includes grading, drainage, detention, roadway expansion, parking lot design, utilities as well as many other aspects.

King's Daughters Medical Center, Various Locations in KY and OH

As Project Manager and Lead Designer, Mr. McCoy prepared construction documents for the construction of numerous medical office buildings throughout Ohio and Kentucky. These projects include grading, drainage, detention, roadway expansion, parking lot design, utilities as well as many other aspects. Following is a list of more specific project locations:

- Ashland, KY
- Prestonburg, KY
- Ironton, OH
- Portsmouth, OH
- Minford, OH

Sheetz Store, Eisenhower Drive, Beckley, WV

As Project Manager and Lead Designer, Mr. McCoy prepared construction documents for the construction of a gas station/convenience store in Beckley, WV. This project includes grading, drainage, detention, roadway expansion, parking lot design, water quality design as well as many other aspects.

Devonshire Development, Scott Depot, WV

As Project Manager and Lead Engineer, Mr. McCoy, is responsible for the project design and construction administrative services for a large resort style mix use residential development located in Scott Depot, WV. This development consists of apartments, townhouses and condominiums, state-of-the-art 6500 sq. ft. clubhouse as well as swimming pools, Jacuzzis, sport courts, tot lots, and dog exercise areas. This project includes grading, drainage, permitting, parking lot design, as

well as many other aspects. Mr. McCoy is also responsible for all sanitary sewer collection and water system distribution design for the development.

Devonshire Development, Scott Depot, WV

As Project Manager and Lead Engineer, Mr. McCoy, is responsible for the project design and construction administrative services for a large resort style mix use residential development located in Scott Depot, WV. This development consists of apartments, townhouses and condominiums, state-of-the-art 6500 sq. ft. clubhouse as well as swimming pools, Jacuzzis, sport courts, tot lots, and dog exercise areas. This project includes grading, drainage, permitting, parking lot design, as well as many other aspects.

Washington Nile Local School District, West Portsmouth, OH

Mr. McCoy was project manager for the development of a middle school on an existing high school and elementary site. The new addition occupies the area now that was being used as an football practice field and open play area. The site needed to be raised 13 feet so that it would no longer be in the Ohio Rivers flood plain. Site features included the development of a new circulation and parking system, the placing of the building for appropriate sun orientation, pedestrian circulation around the site, utility design and an extensive storm water management system. The project is a LEED registered project that achieved a Silver Certification. Triad worked with a project team headed by the architect and owner, to develop a complete comprehensive set of construction documents.

Clay Local School District, Portsmouth, OH

Mr. McCoy was project manager for this project, which consisted of the development of an existing high school site into a K-12 school site with the addition of the middle and elementary schools. The new addition occupies the area now being used as student and faculty parking area. Site features included the development of a new circulation and parking system, the development of age appropriate play areas, outdoor learning areas, outdoor courtyard area, pedestrian circulation around the site, utility design and an storm water management system. This project is a LEED registered sustainable project.

Manchester Local School District, Manchester, OH

Mr. McCoy was project manager for the development of a 700 student elementary school attached to a recently built middle / high school. The new addition occupies the area that was being used as a parking area and open space. Site features included the development of a new circulation and parking system, pedestrian circulation around the site, grade appropriate play grounds, utility design and an extensive storm water management system. Triad worked with a project team headed by the architect and owner, to develop a complete comprehensive set of construction documents.

Child Development Center Sewer Line Extension, Hanging Rock, OH

As lead engineer on this project, Mr. McCoy is responsible for the initial study to determine the most feasible and cost effective method for upgrading the existing sanitary sewer collection system. Based on the results of the study, the option of extending the line to the City of Ironton, Ohio's Waste Water Treatment Plant was chosen. The project includes several thousand feet of 3 inch diameter force main line, booster stations, and road and creek crossings.



EDUCATION

West Virginia University, WV
BSLA, Landscape Architecture

PROFESSIONAL EXPERIENCE

24 Years

REGISTRATIONS & LICENSES

- Registered Professional Landscape Architect, WV, KY & OH

PROFESSIONAL AFFILIATIONS

West Virginia Recreation and Park Association (WVRPA)
American Society of Landscape Architects (ASLA)

SKILLS

- Site Inventory and Analysis
- Program Production
- Conceptual Design
- Master Planning
- Project Management

HIGHLIGHTS OF EXPERIENCE

Mr. Young currently serves as Senior Landscape Architect for the Southwestern Region of Triad Engineering, Inc. In this capacity, he provides clients with a variety of landscape architectural services including site inventory and analysis, program production, conceptual design, design development, high quality graphic presentations, project management, construction document preparation and construction administration. In this capacity, Mr. Young brings years of experience on a diverse range of projects covering all aspects of landscape architectural design and planning in both the public and private sector. Mr. Young's experience includes park and streetscape design, resort and campus master planning, subdivision layout, landscape and hardscape design, landscape design, grading and earthwork calculations, construction detailing, specifications, and estimating. Mr. Young also performs Project Management on related projects, and has been involved in planning projects for national and international military bases, pocket parks, 5,000 acre reserves, large downtown streetscapes, subdivision layout and design, and campus master plans for many college and universities.

RELEVANT PROJECT EXPERIENCE

PARKS, RECREATION, AND STREETScape

Welch Riverfront Park, Welch, WV

The City of Welch set its sights on improving the downtown area and creating a positive image for the City and the surrounding communities. Mr. Young helped the community leaders come up with a vision that would fulfill their goals of a positive community image. With the creation of a park and streetscape improvements to a downtown area adjacent to the Tug Fork River was the key element to a master plan that was developed. From the master plan the Riverfront Park was selected to be the first project. The park included extensive landscape improvements, lighting upgrades, concrete sidewalks with clay pavers, street furniture, parking improvements and the creation of an amphitheater space that connected the lower level and the upper level with a ADA ramps and steps. The space was developed to create an open space that could be used for community events as well as to create a greatly needed open space in the downtown area. The construction, which had to meet the City of Welch's stringent aesthetic requirements, required Mr. Young's design expertise until the final touches were in place on the park, which was completed during the fall of 2009. The project won the American Society of Landscape Architects West Virginia Chapter Honor Award for outstanding professional achievement in Urban Design.

Washington Street Improvements, Charleston, WV

Prepared concepts for addressing sidewalk, intersection, crosswalk, street pavements, furniture and landscaping linking two existing streetscape for The Charleston Renaissance Corporation.

Washington Street East Streetscape Improvement Project, Charleston, WV

Prepared streetscape construction documents for a 3 block area of Charleston, WV. The streetscape included the installation of trees, concrete sidewalks with clay pavers, ornamental streetlights and miscellaneous street furniture. Project Manager, Charleston Urban Renewal Authority.

West Side Community Revitalization Plan, Charleston, WV

Mr. Young was a Project Manager for the development of pedestrian amenities throughout the west side of Charleston, WV, which included the development of gateways into the area, landscape treatments for beautification and screening, streetscape guidelines, roadway realignment and the development of green spaces.

Volunteer Ballpark on Memorial Boulevard, Huntington, WV

Mr. Young worked with a nonprofit organization to develop graphic plans and construction documents for this Little League Baseball park in Huntington West Virginia. The youth sports complex was developed on an old Owens-Corning refuse landfill on the west side on historic Ritter Park. The project consists of 2 fields with bleachers and scorer's booth, concession/ restroom facility, a ceremonial plaza and a promenade.

Ripley Streetscape Improvements, Ripley, WV

As Project Manager, Mr. Young prepared construction documents for a 1 block historic area of Ripley. The streetscape was designed to not detract from the history of Jackson County Court House on the south side of the block. The design used light fixtures that were similar in design as to those found on the Court House, clay brick pavers and site furniture that blended into the historic fabric of the area.

Stonewall Jackson State Park, Roanoke, WV

Prepared plans and construction documents for 198 unit lakeside lodge and conference center with indoor and outdoor pool, outdoor dining, snack bar, fire pits, and overlook deck. Other site improvements included placement of 10 water front cottages and campsites site improvements.

Tournament Park, Ruddle, WV

Mr. Young prepared a master plan and a complete set of construction documents including project plans and specifications. This project consisted of a 15 Acre site near Franklin West Virginia that was developed into a Community park. The park consists of multi-purpose sports fields used for baseball and soccer. There is also a jousting course that is used during the local fall festival. Users of the park also have access to a concession / restroom facility, walking / fitness trail, fishing access, and picnic shelters. The park also has an information kiosk that tells the history of the site as well as the surrounding community.

St. Albans Streetscape, St. Albans, WV

Triad Engineering, Inc. was recently selected by the City of St. Albans to design the new gateway and streetscape improvements to the downtown area. Services included the preparation of a master plan, construction documents, and construction administration. The streetscape included parking improvements, landscape improvements, reduction of pedestrian and vehicular interaction, period lighting upgrades, concrete sidewalks with clay pavers, street furniture, and the creation of a gateway sequence into the downtown area.

White Sulphur Springs Streetscape Improvement Project, White Sulphur Springs, WV

As a Project Manager, Mr. Young prepared a master plan and streetscape construction documents for a 3 block area of downtown White Sulphur Springs WV. The streetscape included 60 degree angled parking, the installation of trees, concrete sidewalks with clay pavers, ornamental streetlights and miscellaneous street furniture.

Athens County Bikeway Extension, Athens, OH | 04-16-0212

As a Senior Landscape Architect, Mr. Young worked on this project that consisted of extending the Hocking Adena Bikeway in Athens County, Ohio. The extension of the ADA accessible, multi-use bikeway will extend approximately 1.6 miles. Mr. Young assisted the project team in developing a preliminary site plan for the bikeway extension that included the site layout design, grading and drainage design, plans, profile and cross sections, pavement design, storm water best management practices, and permitting

Ironton Splash Park, Ironton, OH

As a Senior Landscape Architect, Mr. Young worked on a project team to design construction documents for the new Ironton Splash Park. The construction package included a proposed site plan, dimension, layout and utility plan, site grading, and site construction details.

Paul G. Duke Park, Troy, OH

Prepared design plans and contract documents for the development of \$1.5 million of improvements which included lighted softball and baseball fields; football / soccer fields; restroom/ concession buildings; picnic shelters; site utilities and landscape and irrigation treatments.

ATHLETIC FACILITIES

Boone County Sports Complex, Julian, WV

Boone County Parks and Recreation (BCPR) wanted to expand the activities at their existing 130 acre park site near Julian West Virginia. The park is home of the Waterway, a swimming and water slide facility. BCPR enlisted the help of Triad Engineering to expand the facility and to provide other recreational opportunities for the community. The only available land for the expansion was in the Little Coal River flood plain. The development of this area required a flood study. Triad studied the flood prone area and determined that the development would not affect the flood plain or any downstream communities. Mr. Young worked with BCPR to incorporate their vision for the park and develop a program, construction documents and the permits needed for the construction of a football field, soccer field, baseball field, parking areas, restroom facilities, trailhead, and a 300 seat amphitheater.

Sue Morris Sports Complex, Glenville, WV

Mr. Young worked with the owner and contractor to plan and design this sports field project that included a NCAA regulation baseball field for the use of Glenville State University, as well as Gilmore County High School. The project also included two regulation Little League baseball fields, a building that houses a concession, restroom, box seating, and a meeting room.

Fairland LSD Track and Field Project, Proctorville, OH | 04-13-0045

This project consisted of providing full construction documents including a grading plan, track paving and layout plan, site drainage utilities plan, bleacher pad location plan, and details for technical specifications. These specifications include the football field and track drainage and base, site concrete, site utilities, grading, paving and fencing. Mr. Young worked on a project team to provide these documents and services as well as permitting.

Portsmouth High School Athletic Complex, Portsmouth, OH

Mr. Young led the Site Civil and Landscape Architecture work for this 35 acre development in downtown Portsmouth Ohio. The project involved the planning, and design and preparation of construction documents for a football stadium, baseball field, softball field, tennis courts, outdoor basketball courts, dedicated running track, open green space, parking areas and an extensive underground storm water detention system to meet the stringent standards of the City of Portsmouth.

Ohio University Proctorville Park, Proctorville, OH | 04-13-0527

Mr. Young led the civil/site services for this project that included site design, construction document preparation, permitting, construction administration as well as periodic on-site observations during construction for the Proctorville Center Park Facility in Proctorville, Ohio. Mr. Young worked to develop a master plan for this project.

Wheelersburg High School Football and Softball Complex, Wheelersburg, OH

Mr. Young led the Site Civil and Landscape Architecture work for a football field renovation project and the development of a softball field on the campus of Wheelersburg High School in Wheelersburg Ohio. The project involved the planning, and design and preparation of construction documents for a softball field and the renovation of the football field complex. The football field complex included a new locker room facility, restroom and concessions building, new home bleachers and a synthetic turf surface with an extensive underground storm water detention system. The design documents for the softball field included a press box, sunken dugouts, backstop and perimeter fencing.

EDUCATION FACILITIES

Washington Nile Local School District, West Portsmouth, OH

Mr. Young led the site civil landscape work for the development of a middle school on an existing high school and elementary site. The new addition occupies the area now that was being used as a football practice field and open play area. The site needed to be raised 13 feet so that it would no longer be in the Ohio Rivers flood plain. Site features included the development of a new circulation and parking system, the placing of the building for appropriate sun orientation, pedestrian circulation around the site, utility design and an extensive storm water management system. The project is a LEED registered project that achieved a Silver Certification. Triad worked with a project team headed by the architect and owner, to develop a complete comprehensive set of construction documents.

Clay Local School District, Portsmouth OH

The project consists of the development of an existing high school site into a K-12 school site with the addition of the middle and elementary schools. The new addition occupies the area now being used as student and faculty parking area. Site features included the development of a new circulation and parking system, the development of age appropriate play areas, outdoor learning areas, outdoor courtyard area, and pedestrian circulation around the site, utility design and a storm water management system. This project is a LEED registered sustainable project.

Sacred Heart Pavilion, Diocese of Wheeling-Charleston, Charleston, WV

This project consisted of site civil engineering services as well as landscape architectural services for Daycare and Gymnasium building in downtown Charleston, WV. This project involved optimizing the available properties to accommodate the building, parking area, and a synthetic turf play area for the daycare. The design also needed to allow for a drop-off area at the front of the building. Services provided by included preparation of construction documents and details including site grading and drainage features, landscaping to compliment the architecture of the buildings and local and state permits.

COMMERCIAL DEVELOPMENT

Boone County Memorial Hospital, Madison, WV | 04-13-0135

This project consisted of the civil design for the new Boone County Memorial Hospital. Mr. Young worked with a project team to analyze the project scope, to develop and prepare a construction package, and perform construction administration and monitoring during site construction. This project involved plans for layout, pavement, site grading and drainage, a full landscape plan with a plant schedule, site construction and planting details.

AEP Substation Expansions – Various Locations, WV, KY | 04-17-0581

This project consisted of civil and site design of several substations across the state of West Virginia for AEP. Triad provided geotechnical, environmental, and civil services for these substations. Mr. Young worked with a project team to prepare construction plans that included existing conditions, demolition plans, site layout plans, grading and drainage plans, erosion and sediment control design, and detail sheets.

Aspen Dental, Beckley, WV | 04-17-0011

This project consisted of developing an office for Aspen Dental and associated site improvements in Beckley, West Virginia. Mr. Young worked to develop a full landscape plan for the proposed site identifying the plant materials and location. Mr. Young also worked with a project team to provide civil design services that included site layout design, grading and drainage design, pavement design, utility design, erosion and sediment control design, and permitting.

Bojangles Restaurants, Cross Lanes, Huntington, Kanawha City, & Southridge, WV and Pikeville, KY | 04-15-0263

As a Senior Landscape Architect, Mr. Young worked on a project team for six sites across West Virginia and Kentucky for Bojangles Restaurants. Mr. Young assisted in developing a site design plan for each subject property. These site design plans maximized parking, showed vehicular circulation and general dimensions while complying with pertinent development standards.

Cabell Huntington Hospital – Parking Garage, Gift Shop, Huntington, WV | 04-17-0383

This project consisted of providing construction documents for the new Cabell Huntington Hospital Give Shop addition. Mr. Young worked on a project team to create a construction package that included layout plans and grading plans as well as drawings for the proposed site plan, dimension and layout plan, site grading, and site construction details. Services provided for this project also included surveying and storm water permitting.

DESCO Credit Union, Huntington, WV

Triad provided site civil engineering services as well as landscape architectural services for this project. As Project Manager and Landscape Architect, Mr. Young headed the Triad team that worked with a full project team headed by TSHD Architects, and the owner, to develop a complete comprehensive set of construction drawings. Site features included concrete drives and parking areas, sidewalks, site utility routing and drainage. This project involved optimizing the available property to accommodate the Credit Union and the associated visitor and employee parking and the drive thru lanes.

Huntington Pediatric Dentistry and Orthodontics, Huntington, WV

Triad Engineering, Inc. teamed with the Huntington Pediatric Dentistry's Architects / Contractor to provide a comprehensive set of construction plans for the development of the new Huntington facility in Kinetic Park. Mr. Young

served as Project Landscape Architect and helped guide the team with the development of the parking, vehicular and pedestrian circulation, utilities, storm water design and landscaping to meet the requirements of the Kinetic Park and the City of Huntington. Development consists of apartments, townhouses and condominiums, state-of-the-art 6500 sq. ft. clubhouse as well as swimming pools, Jacuzzis, sport courts, tot lots, and dog exercise areas. This project includes grading, drainage, permitting, parking lot design, as well as many other aspects.

St. Mary's Medical Center, Boiler Plant, Huntington, WV

Mr. Young led the Site Civil and Landscape Architecture work the development of the new Boiler Plant on the Main Campus. The project involved the planning, and design and preparation of construction documents for the, parking area, outdoor storage area, utilities, storm water design and landscape screening to meet the requirements of the City of Huntington as well as the adjacent neighbors.

St. Mary's Medical Center, Huntington, WV

Teaming with a local architect to provide a comprehensive plan for the future development of St Mary's Medical Center campus, Mr. Young led the planning for this project which included the realignment of roads and parking areas to improve vehicular and pedestrian circulation. The plan also included the development of a green space system that allows patients, visitors and employees to walk from building to building with minimal vehicular conflicts. One of the key elements of the project was reducing the amount of paved area on campus. The reduction of paved area will reduce the amount of storm water entering the city's combined system. A portion for the parking lot will incorporate a pervious pavement system that will further reduce the storm water impact on the local system.

Dollar Tree Stores, Martinsburg, WV and Mason, OH | 04-17-0137

This project consisted of providing site design and permitting services for two, new Dollar Tree stores in Mason, Ohio and Martinsburg, West Virginia. Mr. Young worked with a project team to prepare a construction package that included a site plan, dimensions and layout, grading and drainage, stormwater management, utility plan, erosion and sediment control, a full landscape plan, and site construction details.

Huntingtonized Federal Credit Union, Milton, WV | 04-13-0048

This project consisted of full civil design for a new credit union facility in Milton, West Virginia. Mr. Young served as project Landscape Architect and helped guide the team with the development of the grading, drainage, permitting, parking lot design, as well as many other aspects.

Marco's Pizza, Milton, WV | 04-17-0039

As a Senior Landscape Architect, Mr. Young worked on a project team to design construction documents for the new Milton Marco's Pizza facility. The construction package included a proposed site plan, dimension, layout and utility plan, site grading, and site construction details. Services provided for this project also included permitting and surveying.

FedEx Ground Expansion, Nitro, WV | 04-13-0579

This project consisted of providing site design and construction documents for the expansion of the FedEx Ground Building in Nitro, West Virginia. Mr. Young worked with a project team to provide construction documents including existing conditions, demolition plan, proposed site plan, layout plan, grading and drainage plan, erosion and sediment control plan and associated details.

Thomas Hospital Parking Lot Expansion, South Charleston, WV | 04-13-0322

Mr. Young provided site design for the parking lot expansion project for Thomas Hospital in South Charleston, West Virginia. This project consisted of preparing a complete construction package including layout plans, landscaping plans, erosion and sediment control plans and full site construction details with permitting submittal.

William Sharpe Hospital, Weston, WV | 04-12-0015

This project consisted of an expansion to the existing William Sharpe Hospital near Weston, WV in Lewis County which was underdeveloped at the time. The hospital wanted to rework the existing loading docks and increase their existing parking. Mr. Young worked with the project team to provide a site layout design and a landscaping and planting plan.

King's Daughters Medical Center, Ashland, KY

This project consisted of site civil engineering services as well as landscape architectural services for multiple Medical Office Buildings in Southern Ohio and Eastern Kentucky. Mr. Young worked with a project team headed by the Architect and the owner, to develop a complete comprehensive set of construction drawings. This project involved optimizing the

available properties to accommodate the medical office buildings and parking areas that improved circulation on the site to allow for a patient drop-off area at the front of the buildings. Services provided by included preparation of construction documents and details including site grading and drainage features, landscaping to compliment the architecture of the buildings and local and state permits.

King's Daughters Medical Center Hospitality House, Ashland, KY

The Hospitality House at King's Daughters Medical Center provides families of need a warm, inviting place to stay. Triad was very proud to provide TSHD Architects, with full civil engineering and landscape architectural services for this very important project. As Project Manager and Landscape Architect, Mr. Young led the services provided by Triad including construction documents and details including site grading and drainage features, vehicular drop-off area, creation of a hard surface outdoor gathering space for the families, and extensive landscaping to compliment the architecture.

Sleep Outfitters and Mercantile, Pikeville, KY | 04-17-0026

This project consisted of civil design services for the Sleep Outfitters and Mercantile store located in Pikeville, Kentucky. Mr. Young worked with a project team to develop a site design plan to maximize parking, show vehicular circulation, show general dimensions and comply with pertinent development standards. Mr. Young developed a landscape plan that identified plant material and location. Services provided for this project also included survey, geotechnical services, and environmental services.

King's Daughters Medical Center Prestonburg, Prestonburg, KY | 04-12-0034

This project consisted of site civil engineering services as well as landscape architectural services for the KDMC Prestonburg building. Mr. Young worked with a project team to develop a complete comprehensive set of construction drawings. Services provided included preparation of construction documents and details including site grading and drainage features, landscaping to compliment the architecture of the buildings and local and state permits.

Central Avenue Stripe Center Development, Ashland, KY | 04-15-0125

As a Senior Landscape Architect, Mr. Young worked on this project to develop site improvements for an approximately 1.3 acre commercial development which included at 15,000 square foot building/strip center and associated parking. This project consisted of a preliminary site plan, construction document preparation including plans, construction details, and landscape plans, as well as permitting.

Ironton Gateway Landscape Plan, Ironton, OH | 04-14-0005

As a Senior Landscape Architect, Mr. Young worked on this project to develop construction documents and a landscape design plan for the Ironton Community Action. The project consisted of proposed sidewalk location, revised drainage structure locations, layout plans for the plaza's, retaining wall details, fountain details, brick pier details, and details for the entrance and restaurant signs.

Murphy Tractor, Jackson, OH | 04-13-0515

This project consisted of developing site improvements for a 20,000 square foot building on a ten acre site. Mr. Young worked with a project team to prepare a construction package for the project. The project involved plans for layout, site grading and drainage, utilities, and erosion and sediment plans as well as full landscape plans and site construction details. Plans were submitted and approved through proper permitting agencies.

SOMC West Portsmouth Medical Office, Portsmouth, OH | 04-14-0503

This project consisted of construction of a primary care facility with associated parking areas. The facility was planned to be 4,000 to 4,500 square feet. Mr. Young worked with a project team to provide solutions for site development for the new building, developing the pedestrian and vehicular circulation, providing parking for the patients and employees and managing the storm water from the site. Specific tasks for this project included grading and drainage design, pavement design, utility design, erosion and sediment control design, permitting, and a full landscape plan with identified plant materials and location.

MASTER PLANNING

High Wall ATV Resort, Coaldale, WV | 04-16-0190

This project was for a family that wanted to explore the possibilities of an ATV destination resort on approximately 15 acres in the Coaldale area of Mercer County in West Virginia. The resort will have a western theme and provide cabins/bunkhouse, RV camping, tent camping, 6-10 unit hotel, restaurant, bar, company store, gas station, and a parking

lot for visitors/oversize truck/trailer parking. Mr. Young worked to create a conceptual master plan for the High Wall ATV Resort and utilized YSGS and aerial mapping as base mapping for the project.

Bridge Road Master Plan, Charleston WV

Triad Engineering, Inc. was selected by the South Hills Neighborhood Association to prepare a Master Plan for the South Hills Business District. The purpose of this study is to provide a framework and guidance for the future development and enhancements in the Bridge Road Business District. The main goals were to increase pedestrian circulation and safety, increase parking and improve overall aesthetics and beautification of the area. Design Highlights include: Gateways into the district, increase parking opportunities, ADA compliance upgrades, new site amenities and lighting improvements, crosswalks as well as landscape design pallet to be used throughout the business district.

The Forbes Center, Master Plan, Charleston, WV

As Project Manager for the Forbes Center, Mr. Young prepared Landscape and hardscape plans for a new executive office complex located in the NorthGate Business Park in Charleston, WV. Design drawings include the development of an entrance auto court and perennial garden courtyard to be used for outdoor dining and gatherings..

Washington Street Streetscape Master Plan, Charleston, WV

As Project Manager for the Charleston Urban Renewal Authority, Mr. Young prepared a master plan for a 1-mile area of Charleston that connects the downtown district with the West Virginia State Capital Complex. The plan gave recommendations on site amenities such as benches, trash receptacles, lighting, bollards, sidewalk configurations and planting areas.

Camp Kern YMCA Master Plan, Dayton, OH

As Project Landscape Architect for the YMCA of Metropolitan Dayton, Ohio, Mr. Young prepared a master plan for a 420 acre site located adjacent to the scenic Little Miami River. The planning issues to be resolved were vehicular and pedestrian traffic conflicts; poor relationships between existing natural environments and manmade facilities.

Englewood Reserve Master Plan, Englewood, OH

As Project Landscape Architect for the Park District of Dayton and Montgomery County, Mr. Young prepared a master plan for an area, which includes 5000 acres surrounding the scenic, designated Stillwater River. The plan contained numerous key recommendations for the development of the reserve including development of polices on land stewardship; detailed schematic layout of vehicular, pedestrian, and bicycle access.

The Miller Addition, Englewood, OH

As Project Landscape Architect, Mr. Young developed a master plan to renovate a 135 acre sand and gravel quarry into a park facility which included fishing access areas, day-use areas, canoeing access, accessible walking and nature trails throughout the site. The renovation was needed to replace existing water related activities that were gradually being lost in the main reserve because of siltation.



EDUCATION

West Virginia University, WV
BA, Chemistry

*West Virginia Institute of
Technology, WV*
BS, Civil Engineering

PROFESSIONAL EXPERIENCE

7 Years

REGISTRATIONS & LICENSES

- Professional Engineer, WV

SKILLS

- Civil Engineering
- Hydrologic and Hydraulic Analysis and Design
- Erosion and Sediment Control Plans
- Stormwater Management

HIGHLIGHTS OF EXPERIENCE

Mr. Criniti is currently a Project Engineer and is responsible for civil and surveying projects. He has participated in the design and management of numerous projects. These projects have included retail/commercial site preparation, airports, parking lots, buildings, retaining walls, foundations, sanitary structures, as well as boundary and topographic and photogrammetric surveys. Duties have included hydrologic and hydraulic analysis and design, erosion and sediment control plans, storm water management, field surveying, preparation of construction and as-built drawings, project specifications and preparation of various permit applications. Mr. Criniti also performs construction management, construction inspection, quality control testing, shop drawing review, project management, contract administration, and report preparation. He performs engineering calculations, studies, plans, reports and data analysis. Mr. Criniti assists in the coordinating of construction projects including conducting pre-bid, pre-construction and progress meetings, schedule review and pay request review and approval. He also assists in conducting interim and final inspections of construction projects to determine compliance with applicable laws, regulations, and specifications.

RELEVANT PROJECT EXPERIENCE

ATHLETIC FACILITIES

Washington Nile, Clay Local School District and Portsmouth Athletic Complex, Various Locations in Ohio

As a Staff Engineer, Mr. Criniti has been involved in and is responsible for the drainage design and permitting for these projects. In this capacity he has to coordinate with the project architect, local municipalities, the ODOT and the project developer. Work on these projects included, utility routing, storm drainage design, storm water management design and preparation of ODOT encroachment permit applications, health department permit application and NPDES permit application for handling surface water during construction. Mr. Criniti is also responsible for performing construction admin on this project consisting of site inspections, pay application review and approval and construction schedule monitoring.

Tolsia Athletic Fields, Fort Gay, West Virginia

As a Staff Engineer, Mr. Criniti has been involved in and is responsible for the drainage design and permitting for this project. In this capacity he has to coordinate with the project architect, local municipalities, the WVDOH and the project developer. Work on this project included, utility routing, storm drainage design, storm water management design and preparation of WVDOH encroachment permit applications, health department permit application and NPDES permit application for handling surface water during construction. Mr. Criniti was responsible for performing construction admin on this project consisting of site inspections, pay application review and approval and construction schedule monitoring.

Oak Hill High School Baseball and Softball Complex, Oak Hill, Ohio

As a Staff Engineer, Mr. Criniti has been involved in and is responsible for the drainage

design and permitting for this project. In this capacity he has to coordinate with the project architect, local municipalities, state regulatory agencies and the project developer. The project involved the planning, and design and preparation of construction documents for a baseball field, softball field, tennis open green space, parking areas and an extensive underground storm water detention system, synthetic turf baseball infield, and irrigation for both facilities.

COMMERCIAL DEVELOPMENT

City National Bank – Construction Administration Services, WV

This project consists of a state wide contract to provide construction administration services for City National Bank on bank loans for commercial construction projects. On this project Mr. Criniti is responsible for performing periodic job site inspections of work progress, reviewing contractor pay requests, monitoring project schedules as they pertain to percent completion and pay requests, and conducting periodic progress meetings.

King's Daughters Medical Center – Various Locations in Kentucky and Ohio

As a Staff Engineer, Mr. Criniti has been involved in and is responsible for the drainage design for this project. Mr. Criniti assisted the projected manager in the preparation of construction documents for the construction of numerous medical office buildings throughout Ohio and Kentucky. These projects include grading, drainage, detention, roadway expansion, parking lot design, utilities as well as many other aspects.

BB&T Facility, Beckley, WV

As a Staff Engineer, Mr. Criniti has been involved in and is responsible for the drainage design and permitting for this branch bank facility. In this capacity he has to coordinate with the project architect, local municipalities, the WVDOH and the project developer. Work on this project included, utility routing, storm drainage design, storm water management design and preparation of WVDOH encroachment permit applications, health department permit application and NPDES permit application for handling surface water during construction. Mr. Criniti is also responsible for performing construction admin on this project consisting of site inspections, pay application review and approval and construction schedule monitoring.

FedEx Ground Expansion, Nitro, WV

This project consisted of providing site design and construction documents for the expansion of the FedEx Ground Building in Nitro, West Virginia. As a Staff Engineer, Mr. Criniti worked with a project team to provide construction documents including existing conditions, demolition plan, proposed site plan, layout plan, grading and drainage plan, erosion and sediment control plan and associated details.

RESIDENTIAL DEVELOPMENT

Devonshire Housing Development, Scott Depot, WV

As a Staff Engineer, Mr. Criniti has been involved in and is responsible for site development design and permitting for various portions of this large residential development. In this capacity he has to coordinate with the project architect, local municipalities, the WVDOH and the project developer. Work on these projects includes building pad positioning and elevation, access road layout including grading design, parking lot layout, utility routing, storm drainage feature layout and design. Permitting work on these projects includes WVDOH encroachment permitting, health department permitting and NPDES permitting for handling surface water during construction. Mr. Criniti is also responsible for attending and conducting project meetings with the project contractor, the developer and associated agency.



EDUCATION

West Virginia University, WV
*BA, Business Administration -
Marketing*

West Virginia State University,
WV
*Associate Degree,
Mathematics – Computer
Programming*

PROFESSIONAL EXPERIENCE
30 Years

SKILLS

- Funding Assistance
- Facilitates between Client and Funding Agency
- Business Development & Marketing

HIGHLIGHTS OF EXPERIENCE

Ms. Grimm is the Utilities Project Manager in the Scott Depot, WV office. Ms. Grimm has over 30 years of project management and funding experience. She is responsible for funding acquisition assistance to clients for water and wastewater projects, facilitating communication between Triad's clients and funding agencies, processing and tracking payment requests, preparing project status reports, assisting clients in procurement efforts, facilitating and attending community meetings, and assisting clients and lawyers in preparation of easements and user agreements.

Ms. Grimm provides support to senior level engineers by coordinating and distributing bid documents, addenda, and plan-holders lists; reviewing contractor requests for payment and making recommendation for approval; and providing non-technical quality control. She also assists technical staff in preparing various documents, including but not limited to: permit applications; project schedules; project budgets; contract documents; bid documents; bid tabulations; meeting agendas; change orders; asset management plans; preliminary engineering reports; operation and maintenance manuals; and manhole inspection, smoke testing, and infiltration and inflow reports.

Ms. Grimm is also responsible for preparing project proposals, client contracts and amendments, monthly invoicing, and coordination of personnel assigned to Utilities projects.

RELEVANT PROJECT EXPERIENCE

Village of Amesville, OH – Water System Improvements

Arbuckle Public Service District, Minden, WV – Wastewater Collection System I/II Rehabilitation and Extension

Arbuckle Public Service District, Minden, WV – Emergency WWTP Oxidation Ditch Rehabilitation

Town of Belle, WV – Wastewater Treatment Plant Replacement

Village of Cadiz, OH – Wastewater System Inflow/Infiltration Study

Town of Camden-on-Gauley, WV – Water System Improvements

Denver Water Association, Tunnelton, WV – Water System Improvements

Green Valley Glenwood PSD, Bluefield, WV – Water System Improvements

Town of Hartford, WV – Water System Improvements

Village of Holloway, OH – Water System Improvements

Village of Jewett, OH – Water System improvements

Town of Mason, WV – Water System Improvements – Phase II

Town of Mason, WV – Campground Waterline Extension

Town of Mason, WV – Wastewater Treatment Plant Upgrades

Meigs County Commissioners, Pomeroy, OH – Rutland Wastewater System Improvements

Town of New Haven, WV – Water System Improvements

Town of Pratt, WV – Wastewater System Improvements

Sissonville PSD, Sissonville, WV – Wastewater System Improvements

Syracuse Racine Regional Sewer District, Racine, OH – Wastewater System Improvements

Village of Racine, OH – Water System Improvements - Phase II

Salt Rock Public Service District, Barboursville, WV – Water System Extension

Village of Woodsfield, OH – Water System Improvements

West Virginia Department of Environmental Protection – Charleston, WV

Ms. Grimm worked for 26 years as a project manager and Community Development Specialist II with the WV Department of Environmental Protection (WVDEP) Clean Water State Revolving Fund Program. In this capacity, she reviewed grant/loan applications for compliance, cost and accuracy in such areas as financial documentation, public notification, civil rights, engineering contract review, professional contract review, federal and state compliance, etc. She also provided recommendations for grant/loan applications with highest need priority. Other responsibilities in this position consisted of the review of supporting invoices and recommendations for monthly payment reimbursement requests, allowable project extension approvals and final payment and closure of loan reimbursements. She monitored monthly contracts for the local administration of state and federal grants/loans to assure funds were properly spent and appropriate records maintained. She was also responsible for preparing monthly project progress reports. She investigated infrastructure development needs through meetings with state, regional and local governmental officials, community leaders, and private sector parties. She provided local officials and contractor's guidelines in establishing files, financial records systems, record keeping and retention, purchasing procedures, audit requirements and reporting requirements, both federal and state related. She also participated in local workshops and meetings to advise local officials and other interested parties of programs and educated officials in grant/loan application procedures and grant/loan administration.



EDUCATION

West Virginia University
B.S., Civil Engineering, 2004

Virginia Tech
*M.S., Civil Engineering,
Geotechnical Specialization,
2005*

YEARS OF EXPERIENCE
13

CERTIFICATIONS

- OSHA 30-Hour Occupational Safety and Health Training

REGISTRATIONS & LICENSES

- Professional Engineer, West Virginia [REDACTED]
- Professional Engineer, Pennsylvania [REDACTED]
- Professional Engineer, Kentucky [REDACTED]
- Professional Engineer, Maryland [REDACTED]
- Professional Engineer, Ohio [REDACTED]

SKILLS

- Deep and Shallow Foundation Engineering Studies and Design Recommendations
- Slope Stability Investigations
- Design of Wick Drains for Soil and Site Improvement
- Reinforced Soil Slope Design
- Geotechnical Aspects of Highway Design

HIGHLIGHTS OF EXPERIENCE

Mr. Griffith is the Geotechnical Engineering Services Manager for the Scott Depot branch of Triad Engineering, Inc. Mr. Griffith possesses over 13 years of geotechnical engineering experience working with public agencies such as WVDOH and USACE, working on projects involved site and subsurface investigations, design and construction of new or modified bridge foundations, cut slope analysis and design, fill slope analysis and design, the elevation and design of earth retainage structures (i.e., earthen dams, MSE walls, reinforced soil slopes), laboratory testing, and stream bank erosion mitigation.

RELEVANT PROJECT EXPERIENCE

Wellsburg Bridge Public Private Partnership– Brooke County, WV

Mr. Griffith serves as the project manager and lead geotechnical engineer for the design-build team for the Wellsburg Bridge project for the West Virginia Department of Highways. Mr. Griffith developed and oversaw the subsurface investigation for the new Ohio River crossing which includes an alignment shift and retaining wall for WV State Route 2. Design work included retaining wall design in marginal rock and soil, abutment slope design, MSE wall abutment design, and foundation design for the bridges.

US Route 35 Public Private Partnership– Putnam and Mason Counties, West Virginia

Mr. Griffith serves as the project manager and lead geotechnical engineer for the design-build team for the final section of US Route 35 for the West Virginia Department of Highways. Mr. Griffith developed and oversaw the subsurface investigation for the 14.7 mile section of highway, including two bridges. Design work included cut slope design in marginal rock and soil, fill slope design, reinforced soil slope abutment design, and foundation design for the bridges. Engineering during construction included observation of subgrade for large diameter pipes, observing soil and rock material for usefulness in reinforced soil slope designs, and coming up with solutions to obstructions in geogrid layout for the reinforced soil slope abutments.

Coalfields Expressway Public Private Partnership– Wyoming County, West Virginia

Mr. Griffith served as the geotechnical project reviewer for the design-build team for the project. Mr. Griffith oversaw and reviewed design and analysis from the geotechnical subconsultant on the project. Design work included cut slope design in rock and fill slope design.

Natural Gas Power Plant – Follansbee, Brooke County, West Virginia

Mr. Griffith served as the project manager and lead geotechnical engineer for the subsurface investigation and development of geotechnical recommendations for the proposed natural gas power plant. The development included analysis of foundation types based on the subsurface profile which included up to 200 feet of existing fill placed by contractors for the WVDOH during construction of a nearby highway. Additional challenges included concurrent environmental and geotechnical sampling, mining and mine spoil from the nearby Pittsburgh coal seam, and potential settlement of existing and proposed new structural fill.

West Virginia Division of Highway District 10 and 2 Landslide Repair Projects

Mr. Griffith served as the geotechnical project engineer and provided engineering analysis and pile and lagging retaining wall design for the eighteen (18) FEMA funded roadway slide repair projects. Mr. Griffith developed and oversaw the execution of the subsurface

investigations, as well as the development of the construction documents for each of the projects.

Tri-State Airport Access Road Retaining Wall / MALSR Road Slope Repair Projects

Mr. Griffith served as the geotechnical project engineer and provided engineering analysis and recommendations during both the design and construction phase of both landslide projects at the Huntington Tri-State Airport. Landslides had threatened the stability of the main access road for the Huntington Tri-State Airport and had encroached on the MALSR road. Mr. Griffith developed and oversaw the execution of the subsurface investigations, developed slope remediation/retaining wall recommendations, and provided assistance to the client during retaining construction plan development. Mr. Griffith provided engineering during construction for both projects, which were constructed in late 2015.

Tri-State Airport Taxiway A East Expansion – Huntington, West Virginia

Mr. Griffith served as the geotechnical project manager and provided engineering analysis and recommendations during the design phase of the Taxiway A East expansion project at the Huntington Tri-State Airport. The project includes widening of the eastern portion of Taxiway A, pavement design, and a relatively large fill slope. Mr. Griffith developed and oversaw the execution of the subsurface investigations, developed slope recommendations, and provided assistance to the client during retaining construction plan development.

Corridor H – Kerens to Parsons Section 1B Subsurface Investigation – Randolph and Taylor Counties, West Virginia

Mr. Griffith served as the project manager for the geotechnical inspection during the subsurface investigation for this drilling project. Mr. Griffith oversaw a team of 4 drilling inspectors for both sections 1B-1, drilled in 2014, and 1B-2, drilled in 2015. Additionally, his tasks included tracking of daily progress for up to 7 drilling rigs, production of draft and final boring logs, development of a laboratory testing schedule, review of laboratory testing results and rock core photographs used in development of final boring logs for the project.

Kanawha Falls Bridge Rehabilitation – WVDOT, Fayette County, West Virginia

Mr. Griffith served as the project manager for all geotechnical aspects of this bridge rehabilitation project. The project included analysis of existing pier substructures for additional loading as well as analysis pertaining to the need of replacement for Abutment 1. In addition to the analysis of the existing piers, he performed analysis and developed recommendations for a replacement at Abutment 2. His duties also included oversight during drilling and sampling, analysis of soil and bedrock conditions, development of foundation recommendations, slope stability analyses and development of recommendations regarding a soil nail wall.

Bridge Street Bridge Replacement – WVDOT, Taylor County, West Virginia

Mr. Griffith served as the project manager for all geotechnical aspects of this bridge replacement project. In addition to the project management role, Mr. Griffith also performed other activities for this project. His duties included oversight during drilling and sampling, analysis of soil and bedrock conditions, development of foundation recommendations, slope stability analyses of the riverbanks at each abutment, MSE wall external stability calculations and analyses for MSE wall global slope stability.

Laurel Branch Reinforced Soil Slope Design – West Virginia Route 10 Relocation, Logan County, West Virginia

Mr. Griffith designed an approximate 140 feet tall, 600 feet long 0.75H:1V reinforced slope for a valley fill at the Laurel Branch section of the Relocated WV Route 10 project in Logan County, WV. The reinforced soil slope was divided into 5 designed sections as the valley fill placed for the roadway extended from no fill at the beginning of the project, to 160 feet deep, and back to no fill on the other side of the valley. Design of the slope included subgrade preparation and benching requirements, required geogrid strength, spacing, and length, as well as slope facing recommendations. Design was performed using the ReSSA 3.0 computer program.

Rum Creek Connector Reinforced Soil Slope Design – West Virginia Route 10 Relocation, Logan County, West Virginia

Mr. Griffith designed an approximate 300 feet long, 40 feet high reinforced soil slope for the bridge approach of the Rum Creek Connector of the relocated WV Route 10 project. The project was originally to consist of a 2H:1V unreinforced slope which required removal of several structures within the footprint of the embankment. It was later determined that it would be more cost effective to leave the structures in place and construct the bridge approach embankment as a reinforced soil slope with a slope of 0.75H:1V. Design for this slope also included subgrade preparation and benching recommendations, geogrid strength, spacing, and length requirements, as well as facing recommendations. Design was performed using the ReSSA 3.0 computer program.

New Creek Wind Farm – New Creek Mountain, Grant County, West Virginia

Mr. Griffith served as the lead geotechnical engineer for the proposed wind farm on New Creek Mountain in West Virginia. Mr. Griffith oversaw the subsurface investigation, laboratory testing, and engineering analysis for development of foundation recommendations for the proposed 57 wind turbines as well as the substation for the windfarm. The project also included development of slope recommendations and roadway pavement recommendations.

American Electric Power's Jeff Substation Retaining Wall Design – Jeff, Kentucky

Mr. Griffith served as the Geotechnical Engineer of Record for a pile and lagging retaining wall for the Jeff Substation. The retaining wall was designed as drilled piers and H-pile wall having concrete lagging. The piers and H-piles were designed to be constructed with six foot on center spacing. The height of the wall ranged from about five to twenty-five feet and retained both soil and bedrock. Mr. Griffith also oversaw the construction of the wall in August and September of 2013 to ensure that the wall was constructed per specifications and to ensure that the overall site was being constructed as per the geotechnical report submitted concurrently for the entire site development.

Crestwood Pipeline Landslides – Doddridge County, West Virginia

Mr. Griffith was tasked with developing a subsurface investigation plan, laboratory testing plan, and design for reconstruction of two large landslides along a gas pipeline. The project presented challenges such as difficult access for drilling activities, active pipelines beneath the sliding masses of the failed slopes, and future plans to install additional pipelines within the right of way. Mr. Griffith prepared geotechnical reports for both landslides providing slope stability analysis as well as guidance and recommendations on slope reconstruction considering these issues. Along with an earthwork option of removing the failed slope and reconstructing it with moisture conditioned structural fill, mechanical solution options such as soil nail slope remediation and plate pile installation were provided to the owner. Construction drawings were to be developed once the owner considered the options provided in the geotechnical report.

Perkins Compressor Station – Doddridge County, West Virginia

Mr. Griffith served as the project manager and geotechnical engineer during design and construction of the Perkins Compressor Station. The compressor station development included earthwork consisting of cut slopes of up to 100 feet in height and fill slopes up to 50 feet tall to construct a building pad area for the proposed compressor station. Mr. Griffith performed all geotechnical engineering analysis for the project as well as development of the recommendations for the geotechnical report. The analysis included both shallow and deep foundation analysis, fill slope design, cut slope design, and settlement analysis for the proposed 50 feet of structural fill to be placed for the building pad. During construction, Mr. Griffith inspected the exposed bedrock in the cut slopes and determined that cut slopes could be steepened to allow for greater building pad area.

WVDOT – Coalfields Expressway – Raleigh County, West Virginia

Mr. Griffith performed oversight of the preliminary geotechnical investigation for this WVDOT project. Mr. Griffith's duties included direction and oversight of the test borings as well as soil and rock inspection, oversight of laboratory testing and development of boring logs for the borings. The borings were performed in areas of deep cuts and fill for the proposed highway.

Tri-State Airport Landslide Remediation – Huntington, West Virginia

Mr. Griffith provided engineering expertise and project management for remediation of a large landslide near the western edge of the safety area of the main runway of the airport. The slope failure was approximately 140 feet in height and 300 feet wide. The project included subsurface investigation and laboratory testing to aid in the design of the remediated slope as well as to aid in determination of the probable causes of the slope failure. It was determined that a combination of improper drainage at the toe of the slope, unauthorized earthwork at the crest of the slope, and removal of trees and vegetation from the face of the slope contributed to causing the landslide. Based on slope stability analyses performed by Mr. Griffith, the remediated design included removal of all failed material and excavation into the underlying bedrock and the slope design consisted of placement of a rock drainage layer and separation fabric, moisture conditioning of the excavated material and replacement as structural fill to a 2.5H:1V slope. During construction, Mr. Griffith oversaw the excavation and placement of fill material to the designed specifications.

Tri-State Airport Taxiway A Stability – Huntington, West Virginia

Mr. Griffith directed work and developed monitoring plans for potential slope movement on Taxiway A of the Huntington Tri-State Airport. Several years after the taxiway was extended and re-routed, large cracks indicating possible adjacent slope movement were observed. Inclinerometers were installed and monitored for 7 months to aid in determination of ground movement at the top of the slope. Mr. Griffith prepared a geotechnical engineering report providing information on the subsurface condition of the fill slope as well as the inclinometer data.

Parkersburg Riverfront Park – Parkersburg, West Virginia

Mr. Griffith oversaw all geotechnical aspects during construction of the riverfront park in Parkersburg, West Virginia. Aspects included underwater and above water placement of structural fill behind approximately 500 feet of sheet pile wall, spacing design and installation of wick drains with subsequent settlement monitoring, and stabilization of saturated, low strength subgrades.

Beech Ridge Wind Farm – Greenbrier County, West Virginia

Mr. Griffith served as a geotechnical engineer for the proposed wind farm on Beech Ridge in Greenbrier County, West Virginia. Mr. Griffith oversaw the subsurface investigation, laboratory testing, and engineering analysis for development of foundation recommendations for the proposed wind turbines as well as for various substations and access roads for the windfarm. The project also included development of slope recommendations, roadway pavement recommendations, and seismic design parameter development based on ReMi testing.

SOFTWARE EXPERIENCE

Mr. Griffith's has experience performing analyses and design using the following computer software:

- **Seep/W and Slope/W** - Seepage and Slope Stability analysis using Geoslope Software.
- **SLIDE 7.0** – Slope stability analysis from RocScience
- **Settle3D** – Settlement and radial drain design program from RocScience
- **ReSSA 3.0** - Reinforced soil slope design
- **MSEW 3.0** – Mechanical Stabilize Earth wall design program
- **gINT version 8** - Presentation of boring information and laboratory testing information
- **DigiPro 2** - Analysis and presentation of data obtained from inclinometer readings



PROFESSIONAL EXPERIENCE
22 Years

REGISTRATIONS & LICENSES

- Licensed Professional Surveyor – WV [REDACTED] & NC # [REDACTED]
- FEMA Certified Flood Plain Surveyor – NC #139

SKILLS

- Construction Layout
- Boundary Subdivision
- Right of Way Plans
- Photogrammetric Control
- Mine Surveying
- Topographic Location

PROFESSIONAL AFFILIATIONS

- WV Society of Professional Surveyors
- NC Society of Professional Surveyors
- National Society of Professional Surveyors

HIGHLIGHTS OF EXPERIENCE

Mr. Kirk is currently the Survey Manager for the Scott Depot office of TRIAD. In this capacity, he is responsible for the supervision of the survey crews, overseeing the field work through drafting to the finished product delivered to the client, meeting with clients, and performing field work on large and complex projects. Mr. Kirk is experienced in, construction layout, boundary and road work surveying, photogrammetric and topographic surveying. He has supervised and/or performed survey work on various types of work including surface mine surveying for coal mine facilities, site surveys and construction layout for landfill facilities, site surveys and right of way plans for WVDOH and NCDOT highway projects, and site surveys and construction layout for site development projects. Mr. Kirk has been involved in survey projects in several states including West Virginia, Kentucky, Virginia, South Carolina and North Carolina.

In his capacity, he is responsible for schedules, project budgets, and the overall coordination of all survey projects. He works with all levels of engineering staff, the overall project team, and the project owner to produce a quality work product which satisfies all project requirements.

RELEVANT PROJECT EXPERIENCE

5th Street Bridge Rehabilitation, Cabell County, WV

Mr. Kirk was the project manager and lead surveyor for this project. The project consisted of an existing conditions survey of the entire bridge including substructure and approaches.

Dingess Street Bridge, Logan WV

This project consisted of the replacement of the Dingess Street Bridge in Logan, WV. Mr. Kirk was the project manager and lead surveyor for this project which entailed generating an existing conditions survey of the existing bridge, approaches and affected roadway areas.

Kenney Hamrick Sr. Memorial Bridge, Webster County, WV

This project consisted of the replacement of the existing bridge. Mr. Kirk was the project manager and lead surveyor for this project which entailed generating an existing conditions and topographic survey of the existing bridge, approaches and affected roadway areas, stream cross sections and R.O.W. surveys.

Rt. 10 Roadway, Man, WV

Mr. Kirk was the project manager and lead surveyor on this project which consisted of construction layout surveying during construction.

Ona Mall I-64 Bridge, Cabell County, WV

This project will eventually consist of the widening of I-64 in the area of the Ona Mall, which will affect the I-64 Bridge in this area. Mr. Kirk was the project manager on this project. Survey work on this project consisted of an existing conditions and topographic survey of the bridge and surrounding area.

City of Raleigh, Raleigh, NC

Buffalo Road Sanitary Sewer Collector Easement Acquisition Survey

As Surveyor-of-Record, provided direct supervision of various field crews and conducted field surveys for right-of-way acquisition, topographic location, and wetlands delineation

surveys for an approximately 6000 LF sanitary sewer line. Project consisted of field work necessary to compile and prepare recordable plats of survey for easement acquisition by the City of Raleigh. Topographic mapping for design purposes, and the preparation of Wetlands Delineation Maps to secure 404(c) permits through the US Army Corps of Engineers (Wilmington District).

North Carolina Department of Transportation, Warren County, NC

State Route 1608 – Will Cheek Road
State Route 1620 – Sherriff Davis Road

As Surveyor-of-Record / Data Analyst contracted to NCDOT, provided direct supervision of various field crews and conducted field surveys for right-of-way acquisition and topographic location surveys for roadway improvements. Project consisted of field surveys conducted per Federal Highway Administration High Risk Rural Roads specifications for approximately 3.5 miles of local rural roads in Warren County NC including deliverable plan sets prepared per NCDOT/NC MAPS specifications. Final field work consisted of setting Right-of-Way monumentation and staking of best-fit centerline of road alignment.

North Carolina Army National Guard, Morrisville, NC

Professional Services 2005 / Construction Completed

Surveyor of Record / Field Supervisor providing construction staking and layout of Crash, Fire and Rescue (CFR) Facilities Building supporting the 1st of 130th Aviation Battalion (AH-64 Apache Helicopter unit) based at Raleigh Durham International Airport. Operations were conducted in close coordination with Federal Aviation Administration and NC National Guard personnel to provide layout services for the construction of an approximately \$1.3 million facility.

Triangle Transit Authority (TTA), Raleigh, Durham, Chapel Hill Triangle Area of NC

Regional Transit Plan – Phase I Regional Rail – Durham to North Raleigh

As Surveyor-of-Record / Data Analyst, provided direct supervision of various field crews and CAD technicians for Subsurface Utilities Engineering location surveys and gravity utilities mapping for a 40 mile railway corridor in support of design efforts for a regional rail service route. Field work and deliverables preparation were conducted in accordance with Federal Railway Administration, CSX Railroad, NC Railroad, and North Carolina Department of Transportation Rail Division specifications and guidelines. Being a controversial project, construction is still pending with a capital cost estimate of \$754 million.

Raleigh-Durham Airport Authority (RDUAA), Morrisville, NC

Professional Services 2000-2003 / Construction completed & ongoing

Surveyor-of-record for long-term on-call contract to provide professional services to the Raleigh Durham Airport Authority providing, boundary surveys, topographic location, as-built surveys, subsurface utilities location, construction verification and construction layout for various on-site improvement and expansion projects. Provided coordinative support/project management for various design and engineering firms for the development of the RDU Airport Authority's Master Plan for future development and improvement of RDU International Airport. As one of the few non-employees to ever be granted limited movement privileges at RDU, coordinated airside survey operations (night-time and day-time conditions) with Ground Traffic Controller and FAA personnel on-site.

Santee-Cooper Regional Water System, SC

Field coordination of Right-of-way Acquisition and Topo-Location Surveys for 26 mile regional water distribution line from Lake Moultrie to North Charleston SC. Project included topo for 24MGD Surface Water Treatment Plant (SWTP), 1 Million gallon elevated tank, and Wetlands location.

Grand Strand Sewer and Water Authority, Bull Creek SWTP

Topographic location surveys for design purposes and construction staking/layout for 31MGD surface water treatment plant and associated facilities.

Triangle Transit Authority (TTA) Regional Rail Project, NC

SUE and gravity utilities location for 40-mile railway project from Raleigh to Durham, NC

Boundary Retracement for Durham Parks and Recreation Department, Durham, NC

Duke Park in Durham, NC

Sanitary Sewer As-Built Survey for City of Durham Engineering Department, Durham, NC
Goose Creek Interceptor (approx. 6000LF sanitary sewer) in Durham, NC

As-Built Location Surveys for NC Department of Corrections, NC

Women's Prison in Raleigh, NC
Youth Offenders Camp (Hi-Rise) in Morganton, NC
Anson County Prison Camp, Peachland, NC
Davidson County Prison Honor Camp, Davis, NC

City Development Block Grant (CDBG) Projects (Federal Funding)

Town of Ansonville, NC
Town of Siler City, NC
City of Whiteville, NC
Town of Tabor City, NC

Provided topographic location surveys, design-support surveys and Right-of-Way Acquisition Surveys for sanitary sewer and waste-water treatment plant installation, expansion, and improvements.

Department of Defense Projects, NC:

Camp Lejeune – Jacksonville, NC

Topographic Location Surveys for elevated water tank demolition and replacement, topographic location surveys for closure of Grenade Range, and topographic location surveys for various sanitary sewer projects.

Cherry Point MCAS – Havelock, NC

As-Built / Topographic Location Surveys for expansion and improvement of the Naval Air Rework Facility and First Order Vertical Control Surveys for runway-resurfacing project.

Fort Bragg – Fayetteville, NC

Various Wetlands Location Surveys, Red-Cockaded Wood Pecker Studies (Specimen Tree Location), Photogrammetric control (setting of aerial photo targets) for Training Area K Erosion Study, Topographic Location of St. Mere Eglise Drop Zone, Topographic Location and Lake Level Study for repair and improvements of Upper and Lower McKellar's Ponds, McFayden Pond, and Mott Lake, and Tank Creek Boundary Retracement Survey – between Pope Air Force Base and Fort Bragg.



EDUCATION

West Virginia State College

PROFESSIONAL EXPERIENCE

27 Years

REGISTRATIONS & LICENSES

- WVDOH Certifies Tech Training Classes – Compaction, Aggregate, Portland Cement and Bituminous Concrete
- Troxler 8 Hour Nuke Safety and Operation
- Troxler Radiation Safety Officer Training
- 40 OSHA Training
- MSHA Impoundment Inspector Training ACI Training and Classes
- USACOE – Contractor QC Training
- WVDOT/DOH Compaction Inspector
- WVDOT/DOH Portland Cement Inspector
- WVDOT/DOH Aggregate Inspector
- WVDOT/DOH Bituminous Inspector
- ACI – Grade I Field Tech
- ACI – Grade I Lab Tech

HIGHLIGHTS OF EXPERIENCE

Mr. Hope is currently the Field Services Manager for the Scott Depot office of Triad. In this capacity he oversees the field staff, by handling calls from technicians on technical matters, staffing and scheduling and serving as the branch RSO. Mr. Hope also handles and in house QA/QC, schedules training classes, keeps all records of inspections and calibrations. In addition, he also writes proposals for perspective jobs, assigns new jobs and lab work and writes all QC plans.

RELEVANT PROJECT EXPERIENCE

Marshall University Football Stadium, Huntington, WV

Duties included the Testing and Sampling of site concrete. Testing of utility line backfill for compaction. The testing of structural steel and light foundation connections for proper bolt torque.

Sixth Street Bridge, Huntington, WV

Duties included Testing and Sampling of all West Virginia Department of Highways (WVDOH) classes of concrete. The monitoring thickness and testing of both fills and backfills for compaction. The sampling and testing of the river water for clarity during construction. Maintaining Quality Control Charts.

Georgia Pacific Plant, Mount Hope, West Virginia

Duties included Testing and Sampling of all concrete. Testing and monitoring lift thickness of tills. Collection of new proctor samples when material changes occurred. Utilization of an onsite lab to cure and break the test cylinders at proper intervals. Reporting of all information.

King's Daughter Medical Center Addition, Ashland, Kentucky

Duties included the Testing and Inspection of auger cast pile foundation installation. Testing and Sampling of site concrete.

American Electric Power's North Charleston Service Center, Charleston, WV

Duties included the Testing and Sampling of site concrete, Testing and Monitoring of fill and backfill placement. The shipping of test samples to AEP lab and the receiving and recording of the test data. Inspection of plumbing crews including installation of work. Backfill of utility trenches. Inspection of testing the lines. Inspection of concrete finishers work. Filling out of AEP's daily log sheets.

RCB Locks and Dam, Apple Grove, West Virginia

Duties included site concrete Testing and Sampling. The testing of fill placement by sandcone method. Collection and determination of usability of site fill materials. Utilized onsite lab for gradation/sieve analysis.

Endocrine Disruptor Study, Potomac, Ohio, Monongahela and Kanawha Rivers

Duties included the Sampling and Collection of raw river water to be tested by EPA and WV DEP for Endocrine Disruptors. The labeling and shipping of the samples to the testing labs. Photographic locations for the report and document river levels and clarity.

**REGISTRATIONS & LICENSES
(CONT.)**

- 40 OSHA HAZWAPER Certification
- MSHA –Certified Impoundment Inspector
- MSHA –Above Ground Hazard Trained
- US Army COE – Construction QC Manager for Contractors
- PCI Level I and IIF- Number Measurement/Floor flatness
- Pervious Concrete Technician
- Licensed Asbestos Inspector, WV

Commerce Park and West Pea Ridge Bridges, Huntington, West Virginia

Duties included the sampling and testing of all classes of WVDOH concrete. Testing and monitoring of lift thicknesses of fills and backfills. The collection of aggregate samples.

Route 10 Overpass Overlay, Chapmanville, West Virginia

Duties included the sampling and testing of the latex modified concrete for the overlay. Including the making of chloride perm samples.



PROFESSIONAL EXPERIENCE

10 Years

REGISTRATIONS & LICENSES

- MSHA 24 Hour Training
- OSHA 30 Construction Management
- OSHA HAZWOPER 40 Hour Training
- Licensed Asbestos Inspector
- West Virginia Certified Concrete Technician

SKILLS

- Earthwork Construction Expertise
- Utility Construction Knowledge
- Concrete and Foundation Construction Expertise
- Earthwork Compaction Testing
- Concrete Materials Testing
- Asbestos Inspection

HIGHLIGHTS OF EXPERIENCE

Mr. Atencio is currently an engineering technician with Triad's Scott Depot, West Virginia office. In this capacity he assists the Geotechnical Engineering Department in performing onsite construction materials testing and construction monitoring. Tests performed by Mr. Atencio include compaction testing and construction monitoring during earthwork fill placement and concrete testing and concrete construction monitoring during concrete placement. Mr. Atencio also performs inspections and surveys to assist in the determination of the presence of asbestos containing materials

RELEVANT PROJECT EXPERIENCE

Water and Wastewater Projects

- I and I Study – Arbuckle PSD
- WWTP Replacement – Belle, WV
- I and I Study – Cadiz, Ohio
- Phase II Water Distribution System – Mason, WV
- East Beckley WWTP - Beckley, West Virginia
- Bradley WWTP - Bradley, West Virginia

Devonshire Pond No. 2 Reconstruction, Scott Depot, WV

This project consisted of the redesign and reconstruction of the dam for Retention Pond No. 2. The original dam was designed by others and was breached due to the collapse of the principal spillway decant pipe. TRIAD redesigned the principal spillway, decant pipe and the new embankment. The dam was constructed in the late summer and fall of 2016. Mr. Atencio performed all construction monitoring and concrete and compaction testing during construction.

Holden Elementary School, Holden, WV

Mr. Atencio served as an engineering technician on this project to construct an elementary school. His responsibilities consisted of full time monitoring, compaction testing and concrete testing during site, utility, and foundation construction. He monitored all fill placement, utility pipe placement and trench backfill, and foundation construction for compliance with the project plans and specifications.

Devonshire Residential Housing Development, Scott Depot, WV

Mr. Atencio served as an engineering technician on this luxury residential complex consisting of townhomes, apartments, and single family dwellings. His responsibilities consisted of full time monitoring, compaction testing and concrete testing during site, utility, and foundation construction. He monitored all fill placement, utility pipe placement and trench backfill, and foundation construction for compliance with the project plans and specifications. Mr. Atencio also monitored all access road and parking area construction.

Community Wide Brownfields Assistance Grant Program, Huntington, WV

As an Engineering Technician, Mr. Atencio assisted the project manager with the collection, documentation, and photographic documentation of samples collected during the asbestos inspection phase of the project.

County Wide Brownfields Assistance Grant Program, Fayette County, WV

As an Engineering Technician, Mr. Atencio assisted the project manager with the collection, documentation, and photographic documentation of samples collected during the asbestos inspection phase of the project.

Base Construction, Nitro, WV

Prior to his employment at Triad Engineering, Inc., Mr. Atencio worked as an equipment operator for an environmental and site work contractor. Mr. Atencio performed earthwork excavation and site grading for various site work and utility construction projects.

PROFESSIONAL EXPERIENCE

12 Years

REGISTRATIONS & LICENSES

- CDL Class B

SKILLS

- Earthwork Construction Expertise
- Utility Construction Knowledge
- Concrete and Foundation Construction Expertise
- Earthwork Compaction Testing
- Concrete Materials Testing

HIGHLIGHTS OF EXPERIENCE

Mr. Bowyer is currently an engineering technician with Triad's Scott Depot, West Virginia office. In this capacity he assists the Geotechnical Engineering and Utilities departments in performing onsite construction materials testing and construction monitoring. Tests performed by Mr. Bowyer include compaction testing and construction monitoring during earthwork fill placement and concrete testing and concrete construction monitoring during concrete placement. Mr. Bowyer also provides Residence Project Representative (RPR) services on water and wastewater projects. In his capacity as an RPR, Mr. Bowyer is responsible for documenting the contractor's progress, personnel, equipment and daily installed quantities, and to ensure that the project is built according to the plans and specifications. Mr. Bowyer acts as a liaison during construction between the engineer, the contractors, and the client to create a partnership focused on completing projects on time and within budget.

RELEVANT PROJECT EXPERIENCE

Water Distribution System Improvements, Village of Holloway, OH

This project consisted of the upgrade and line extensions for the water distribution system for the Village of Holloway. Mr. Bowyer served as the Residence Project Representative (RPR) for this project.

Campground Waterline Extension, Town of Mason, WV

This project consisted of the water line extension for the Town of Mason to serve a campground in the Clifton area. Mr. Bowyer served as the Residence Project Representative (RPR) for this project.

Water Distribution System Improvements Phase II, Village of Racine, OH

This project consisted of the upgrade and line extensions for the water distribution system for the Village of Racine, Ohio. Mr. Bowyer served as the Residence Project Representative (RPR) for this project.

Wastewater Treatment Plant Upgrade, Belle, WV

This project consisted of the replacement of the wastewater treatment plant and upgrades to the main pump station for the Town of Belle. Mr. Bowyer served as the backup Resident Project Representative (RPR) for this project.

Wastewater System Upgrade Phase II, Mason, WV

This project consisted of the rehabilitation of the wastewater treatment plant and the collection system manholes for the Town of Mason. Mr. Bowyer served as the backup Resident Project Representative (RPR) for this project.

Cobb Compressor Station, Clendenin, WV

This project consists of the construction of a large natural gas compression station near Clendenin, WV. Mr. Bowyer was responsible for performing concrete testing during foundation construction. The concrete testing consisted of temperature determinations, slump testing and air content determinations. Test Cylinders were also fabricated for curing and compressive strength testing in our laboratory.

Kirk R. Donges, AIA, LEED AP BD&C
Chief Executive Officer
kdonges@tshdarchitects.com



Education

Masters of Architecture
Clemson University

Registration

Ohio Registered Architect since 2005
Kentucky Registered Architect since 2004
West Virginia Registered Architect since 2010

Professional Affiliations

NCARB
American Institute of Architects (AIA)
Chairman, Design and Review Board, City of
Portsmouth

Experience

"Architecture is about creating a place, carving a niche in the built environment that engages the user, impresses the visitor, and humbles everyone that experiences it."

Kirk first and foremost loves architecture. He will study your building program with you, stare at your site, and dissect your thoughts; finding unique and exciting solutions to your needs, hopes, dreams and desires.

Kirk Joined TSHD immediately after graduating from Design School in 1998, and after 15 plus years with the firm, still strives to bring the imagination and vigor that design school instills in a young architect to each and every job.

"There is still nothing more gratifying than walking into a building when it opens, and seeing what only a few short months before was nothing but a sketch, a vision, a few lines of a thought drawn on a piece of paper."

Project Experience

Ironton New Splash Pad, Friends Park
New Office Building Catlettsburg
SOMC New Renovations for Pediatrics Associates
Wastren Advantage, Inc. New Office Building
St. Mary's New Evangelization Center
Portsmouth Square Shopping Center
Fairmoor CSD New Elementary School
Clay LSD New PK-12
Portsmouth CSD New East Elementary School
Portsmouth CSD New Downtown Elementary School
Wheelersburg LSD New K-12
KDMC Ohio
KDMC Prestonsburg Family Care Center
KDMC Portsmouth Medical Specialties
SOMC New Pediatric Associates
SOMC Breast Cancer Center
Oak Hill Union LSD Athletic Complex



Portsmouth Square Shopping Center

TSHD architects

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740.354.6621 / www.TSHDarchitects.com

Mark Holsinger, AIA, LEED AP BD&C
Chief Operating Officer
mholsinger@tshdarchitects.com

Education

Computer Aided Drafting/Design
Shawnee State University

Registration

1989 -- Registered Architect
States – Ohio

Professional Affiliations

American Institute of Architects (AIA)

Experience

Mark joined the firm in 1975. Under the guidance of registered architects and other experienced staff members, he learned many of the aspects of building design and construction on the job. Leading up to his registration in 1989, his work transitioned from mostly drafting to a mix of design, construction drawings, and project management.

“My years as a draftsman gave me the basic tools that I needed. Through that, I have developed a practical approach to building design, always seeking to find the perfect balance between what the client can afford, and what they want or expect in their building.”

Living in Pike Co. with his wife Lessa and son Adam, Mark enjoys traveling and woodworking. Mark sometimes volunteers for church sponsored work camps or Masonic Lodge pancake breakfasts and considers it a privilege to contribute to his favorite charities such as Crisis Pregnancy Centers and Christian missions.

“I enjoy helping people, whether it’s through a charity, or by helping our clients with a building design that truly meets their needs.”



Project Experience

Window Replacement City of Jackson Memorial Building
New Terminal Building James A. Rhodes Airport
New Murphy Tractor Operations Building
Wastren Advantage, Inc. New Office Building
Washington-Nile LSD New Middle School
Clay LSD New PK-12
Manchester LSD New Elementary School
DESCO Federal Credit Union Branch Offices
Atomic Credit Union Corporate Headquarters
SOMC West Portsmouth Family Health Center
SOMC Renovations for New Pediatric Associates
SOMC Suite Renovations
SOMC Kitchen/Cafeteria Renovations
Scioto Smiles Dental Office



Murphy Tractor John Deere Dealership

TSHD architects

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Dave Stone, AIA
Chief Administrative Officer
dstone@tshdarchitects.com

Education

Bachelor of Science in Architecture – The Ohio State University, 1977

Registration

1983 -- Registered Architect
States – Ohio, Kentucky

Professional Affiliations

NCARB
American Institute of Architects (AIA)

Experience

“A love for building things, combined with a passion for drawing, is what led me to architecture in the first place. Seeing ‘ideas’ become reality is what keeps me here. I also enjoy the problem solving aspect of our profession; the bigger the challenge, the more intriguing it is to find a solution.

I enjoy coming to work each day. There’s always something new. Of course, it’s not always fun, but it certainly is always challenging, and I am very proud of the work that is accomplished each day in our office. We are blessed with a lot of very talented people, dedicated to making our clients’ dreams become reality.

I am so impressed with the wealth of knowledge that our staff has. The depth of experience in a variety of disciplines allows our staff to always have an available resource without leaving the office. I enjoy telling prospective clients about our staff. They apply sound knowledge of buildings to innovative ideas for our clients’ needs.”



Project Experience

Zaleski Community Building Addition
Vinton County Business Support Center
New Fire Station Washington Township
City of South Shore New Administration Building
Scioto County Welcome Center
Grandview Manor Catlettsburg MHA
SSU New Facilities Office
SSU Rhodes Center Renovations
SSU Nursing Renovations
Riverview Retirement Center
Portsmouth CSD New High School
Portsmouth CSD New Downtown Elementary School
Portsmouth CSD New Athletic Complex
Ironton Faith and Fitness Center



Scioto County Welcome Center

TSHD architects

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Bill Bratt

Project Architect

bbratt@tshdarchitects.com

Education

Associate of Engineering, Mechanical Technology
American Technical Institute, Akron

Registration

Registered Architect State of Ohio

Professional Affiliations

American Institute of Architects (AIA)

Experience

Bill has been with TSHD architects since 1969.

Mr. Bratt, as a project coordinator, has many years' experience with the mechanics of laying out and detailing construction documents. He coordinates the building design into a unified system of site, structure, engineering systems, materials and equipment, not only on new construction but renovation projects as well. He will work with, and coordinate, a team of qualified draftsmen to complete your project on time.

Bill is adept with Computer Aided Design having worked continuously in this medium for many years. He leads our office in furthering CADD knowledge to other fellow employees and also instructs CADD at Shawnee State University as a part-time adjunct faculty member.



Project Experience

New Terminal Building James A. Rhodes Airport
OU Southern Horse Park Arena
OU Southern Bowman Auditorium Renovation
Wastren Advantage, Inc. New Headquarters
Atomic Credit Union Corporate Headquarters
Portsmouth Public Library HVAC Renovations
Washington-Nile LSD New Middle School
Portsmouth CSD Downtown Elementary School
KDMC Ohio
KDMC Ironton Family Care Center
Wheelersburg LSD New Athletic Complex
New Office Building Catlettsburg
Shawnee State University Nursing Renovation



Wastren Advantage, Inc. New Headquarters

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Greg Romanello

Construction Contract Administrator

gromanello@tshdarchitects.com

Education

Associates Degree – Agricultural Research
Ohio State University, 1974

Experience

Greg has been with TSHD architects since 2010.

Mr. Romanello's capacity is as a liaison during construction between our staff, the contractors, and you to create a partnership focused on completing your project on time and within budget.

Greg has an extensive background in commercial and industrial construction, with over 40 years of experience. His working knowledge of the construction process allows for many construction issues to be handled in the field, allowing a project to remain on schedule, and mitigating the amount of time a problem can interfere with the progression of the work.

Greg's previous experience includes being the Project Superintendent for Crace Construction Co. from 2003-2009, building the 6-story, \$16M Medical Plaza B in 2 phases at King's Daughters Medical Center in Ashland, KY. In between the 2 phases of the KDMC project, he was Project Engineer at the \$34M Southerly Waste Water Treatment Plant in Columbus, OH.



Project Experience

Washington-Nile LSD New Middle School
New Terminal Building for James A. Rhodes Airport
OU Southern Science Room Renovation
OU Southern Cupola & Skylight Replacement
OU Southern Academic Building Roof Replacement
Atomic Credit Union New Minford Branch
SOMC Family Practices
SOMC CT Suite Renovation
SOMC Roberts Suite Renovations
Russell Senior Citizen's Center



New Terminal Building James A. Rhodes Airport

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ATTACHMENT B
Past Project Experience and References

Overview

This project consisted of an NCAA regulation field for the sue of Glenville State University, as well as Gilmore County High School. The project also included two regulation Little League Baseball Fields, a playground, sports courts, a fitness trail and two buildings. One building for concessions, restrooms, box seating, and a meeting room, and one building for storage and scorer's booth.

Services Provided

Triad Engineering generated a master plan and performed full civil site design services as well as geotechnical engineering and surveying for this design build project. Triad also generated a complete set of Construction Drawings and Specifications

Challenges and Solutions

A portion of this project was situated in the flood plain and presented design and permitting challenges. Triad performed a HEC-RAS study for this project and determined potential floodplain impacts. We maximized the use of the floodplain while avoiding any increase in the flood risks.

Awards

This project won the 2007 Excellence in Construction Pyramid Award from the Associated Builders and Contractors.

Project Type:
Parks and Recreation

Year Completed:
2007

Client:
Jarrett Construction
Company

Client Contact:
John Jarrett

Triad Services:

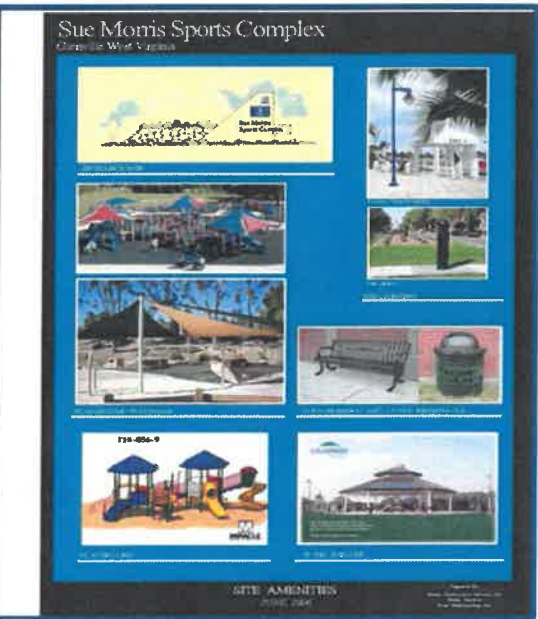
- Geotechnical Investigation
- Soil Borings
- Laboratory Testing
- Civil Site Design
- Permitting
- Surveying

Key Project Personnel:

Lee McCoy, PE
Senior Engineer

Joe Young, ASLA
Landscape Architect

Steve Clark, PS
Lead Surveyor

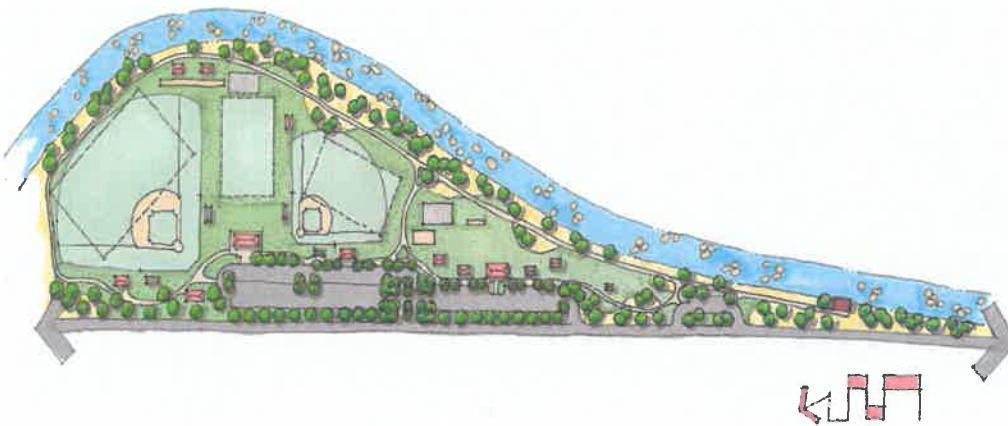


Overview

The project consisted of a 15 Acre site near Franklin West Virginia that was developed into a community park. The park consists of multi-purpose sports fields used for baseball and soccer. There is also a jousting course that is used during the local fall festival. Users of the park also have access to a concession / restroom facility, walking / fitness trail, fishing access, and picnic shelters. The park also has an information kiosk that tells the history of the site as well as the surrounding community.

Services Provided

Services provided by Triad consisted of a complete site survey, geotechnical investigation, design of all site grading, drainage and layout features, preparation of permit applications including West Virginia Division of Highways (WVDOH) encroachment permit and WVDEP construction storm water permit, and quality control testing, inspection, and construction administration. In addition, Triad performed a detailed hydraulic analysis (HEC-RAS study) of the South Fork of the Potomac River in the project area to determine the base flood elevation.



Project Type:
Parks and Recreation

Year Completed:
Design 2008
Construction-2012

Client:
Franklin Parks and
Recreation

Triad Services:

- Civil Site Design
- Master Planning
- Surveying

Key Project Personnel:

Lee McCoy, PE
Senior Engineer

Joe Young, ASLA
Landscape Architect

Steve Clark, PS
Professional Surveyor

Overview

Triad Engineering, Inc. was selected by the City of Welch to design a park and streetscape improvements to a downtown area that is adjacent to the Tug Fork River.

The park included extensive landscape improvements, lighting upgrades, concrete sidewalks with clay pavers, street furniture, parking improvements and the creation of an amphitheater space that connected the lower level and the upper level with a ADA ramps and steps. The space was developed to create an open space that could be used for community events as well as to create a greatly needed open space in the downtown area.

Services Provided

Services provided by Triad consisted of a master plan, complete site survey, geotechnical investigation, design of all site grading, drainage and layout features, preparation of permit applications including West Virginia Division of Highways (WVDOH) encroachment permit and WVDEP construction storm water permit, and quality control testing, inspection, and construction administration.

This project won an Honor Award from the WV Association of Landscape Architects.



Project Type:

Parks and Recreation

Year Completed:

Design 2008
Construction-2010

Client:

City of Welch, WV

Triad Services:

- Civil Site Design
- Master Planning
- Surveying
- Geotechnical Engineering

Key Project Personnel:

Lee McCoy, PE
Senior Engineer

Joe Young, ASLA
Landscape Architect

Steve Clark, PS
Professional Surveyor

**100+ years serving the
Southern Ohio and
Portsmouth areas.**

Information about TSHD architects

Our firm began in 1916 as Devoss and Donaldson, Architects and has evolved over the past 100 years into Tanner, Stone, Holsinger, Donges & Company – Architects (TSHD Architects.) Until September 2007, we were operating as Tanner Stone & Company - Architects. Our office is located in Portsmouth, Ohio; and more than 80% of all our projects, and the majority of our work, past and present, falls within the Southern Ohio region.

Our firm's philosophy centers around our company's core purpose: **to creatively serve our clients, communities and employees.** Ask any one of us, and we will tell you our main goal is to make our clients happy. We want to serve them to the best of our abilities, but Architecture gives us the opportunity to go further. Architecture creates the places we live, eat, work, and sleep; and it is not only our goal to design buildings for our clients, but to do so in a manner that creates a space for all to inhabit and enjoy. All spaces, indeed, should enhance the community around it. All of Architecture is about space; not just the space that is covered by a roof, but the air around a building, courtyards with trees and nature walks, views and vistas that a building affords a visitor or creates as one moves down the street.

We believe in ourselves as well. By our own nature, Architects are a creative bunch of individuals. Like any artist having the need to be creative, we strive to challenge ourselves every day in our own work habits. We study how we do our jobs, how we approach design, and how we will serve you. Without these challenges, we cannot achieve success in our work.

To accomplish our core purpose, we hold ourselves to 5 core values:

- **To consistently produce a very good product and service:** We are in the service industry. You hire us to do a specific job for you. It is our goal to achieve a high level of service, uncompromised, and consistent every time.
- **To be creative:** Architecture is not a static process or outcome. It is better explained as being fluid; changing and recreating itself over time. We must challenge our creativity to stay fresh and current, to meet challenges head on, and to fulfill the dreams and visions of our clients.
- **To be fair:** We value everyone's opinions, beliefs, and objectives. We listen, and do so with respect. We also understand criticism; it is what makes us stronger and better. Our clients have ideas, dreams, visions and opinions. It is our job to serve them, to build upon their needs and wishes. Together, if we can manage this, then we will be successful.
- **To be accountable:** It is our belief we must be held accountable in order to be successful. We believe that we must first look to ourselves to evaluate and improve our service. It is up to us to find and correct our shortcomings. Only then can we continue to improve and grow.
- **To enjoy work:** In a nutshell, to have fun. Let's face it, if we cannot enjoy doing what we do, then why should we do it? Stop by and we will share with you stories about Christmas parties in full costume, attempts at cooking as a group, or just the impromptu laughter that can regularly be heard throughout the office. We smile, we work, and we enjoy.



Ironton Splash Pad

TSHD architects

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Our 9-person team has over 200+ years of experience.



Gallia Co. ECFC

Our company is engaged in the general practice of architecture. With a diverse group of registered architects, young professionals, interior designers, draftsmen, and supporting staff, we challenge ourselves to bring you a product that is complete for your needs and unique to your design wishes. Our staff of 8 provides us with the necessary personnel to meet your project schedule, while retaining direct project management by the principals.

Our work is indeed diverse. Located in Portsmouth, we have the opportunity to work in every range of Architecture and type of construction our clients are involved in. In an Architectural world of niche markets and specialists, we remain general; committed to serving our clients and our communities, whatever their needs may be. If there is a time when our services require specialties, we do not hesitate to hire the best consultants and firms to work with us in order to get the job done.

Being the only sizable full-service Architectural firm in Southern Ohio affords us the opportunity to design almost any project you can think of. From doctor's offices to retail shopping centers, new parking lots to 15-acre sports complexes, K-12 educational buildings, schools, hospitals, and prisons, our experience is as diverse as the area we live in.

We believe what makes us unique is our ability work for and with our clients. To expand on this thought, we feel our most important task is to take care of you. Many of our clients have never been part of a building project, and this may be their only one; so we feel it is our duty to educate, lead, and focus your energy, but not be commanding and authoritative. We want to work side by side with you to capture your needs, your goals, and importantly, your dreams for your new project.

We have included past and current work that we feel will show you our strengths and abilities, and our previous work experience to similar buildings and projects. We are also very proud of our staff. Looking past our newest employee who we just recently hired, no one member of the staff has been here less than 10 years. We are very proud of this fact, and think the long term compatibility of our staff lends us an advantage to any other firm. Our strength in years leads to our strength in project design and completion. We welcome the opportunity to work with you and look forward to hearing from you soon.

TSHD's Abilities and Expertise

- **Computer and On-Line Technology**

Our office continues to update and stay at the cutting edge of computer technology. With state-of-the-art computers and auto-CAD 2014, we are able to produce all essential documents needed for each project. With the addition of 3-D software, computer models and renderings can be produced as part of the design process. We are linked on-line to our consultants and our clients, allowing us to share documents and drawings in an efficient and timely manner. We also carry an in-house network linking all workstations and computers.

TSHD architects

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- **Project Management**

TSHD will handle project management duties for all aspects of the project, coordinating both our in-house architectural design as well as our consultants' technical components. We will take your program requirements and develop a scope of work and estimated cost; and will work with you to ensure your needs and our goals are met, delivering the project both economically and successfully to the schedule set forth in the scope of work.

- **Project Control / Quality Control**

We like to believe our team approach to each project, as well as our proven method of quality control, sets us above and gives us an advantage over any other firm. Each team member is required to check their own drawings and designs, and complete any necessary changes before the project drawings are reviewed by the Project Architect or Principal-in-Charge. Once the drawings are on the Project Architect's desk, the process of reviewing, checking, and revising the drawings starts again. This multiple level review process minimizes the number of omissions and errors found within the bid documents that ultimately lowers the number of construction issues and change orders.



*Portsmouth Social Security
Administration Office*

- **Staffing**

We will assign a Principal-In-Charge, Design Architect, and numerous support staff to work as a team within the office as we progress through your project. This team is modified for each individual project, and this affords us the opportunity to shift personnel around if the need arises and not lose any ground on your project. Our proposed staff and their resumes are attached.

- **Phased Design**

Our basic design phasing is standard to most architectural firms. We include preliminary design, Schematic Design, Design Development, Construction Documents (SD, DD, CD), bidding, contract award, construction, project closeout, and record drawings. This schedule can be modified to fit your specific needs and wishes.

- **Phased Construction**

Many of our projects result in schedules that are divided into phases. These phases allow for construction to work in and around existing facilities that must remain open; complex projects that need to be broken down to maintain a proper work flow; and simple projects that are built in phases as financing is available to build each portion of the project. We will assist you with the determining the schedule, detail and scope of work each phase will complete, and bidding each phase.

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- **Ability to Meet Deadlines**

We believe in a team format. This team includes all players within the project including our design team, your selected committee or team members, any construction personnel, etc. Our goal is to work with you to create a schedule and set of deadlines that we all understand and agree with. Along with this schedule, we plan a series of update meetings and reviews. Each of these steps allow us to check ourselves, update everyone on the status of design and drawings, identify areas of the project lacking behind, and generally keep the team on track towards the ultimate goal of getting the project under construction and finished.

- **Availability and Workload of our Staff**

TSHD architects currently only has a total staff of 9. Our workload is sufficient to keep these personnel busy; however, new projects must be added to maintain proper workflow. Our team approach allows us to draw resources to specific projects as the progress and schedule demands, and always add more staff if necessary.

We employ one interior designer to handle all interior design services in-house including finishes, color selections, planning, tile patterns, and carpet selections.

TSHD architects has an on-going relationship with our civil, mechanical, electrical, and structural engineers, surveyors and environmental consultants. As these professional services are required, TSHD will not hesitate to bring our consultants on board and make them part of the Design Team.

Since the economy has been down in the past 5-6 years, we have seen our firm get smaller, but as you can see from our staff resumes, we have a strong and committed team with over 200 years of experience together that continues to make us thrive.

We are always looking and working towards growth, and securing new clients and projects, and are confident in handling any project that is offered or presented us, no matter how big or small.

- **Construction Administration**

With any project, we see the potential for unforeseen issues arising during both design and construction. Our typical strategy is to bring a level of flexibility to the project. If our Team identifies potential areas where conflicts may arise, we try to be ready with more than one solution. We recognize what the preferred solution is, but want to be ready with a "design B" if needed.

We also pride ourselves on being very flexible to being on site, when a problem or conflict reveals itself. All of our staff has the ability to go the site, if one or the other cannot make it, and work towards finding a solution.



*New Terminal Building
Jackson Airport*

TSHD architects

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Our Construction Administrator also carries the strength of 20 plus years working as a contractor on school projects. His knowledge from being on the "other side of the fence" helps to identify possible areas conflict early, so the issue can be met head on and solved often before it ever truly becomes a real problem.

The following is additional information about our design process and our services.

Our Design Process

1. Understand the client's goals, their mission, their values, and their vision of what this project should accomplish. This is the most important step in the Design Process. Without this understanding, the project's success is greatly limited.
2. Work in partnership with the client to achieve the client's vision and goals.
3. Work with the client to establish the Program of Spaces that will be included in the new building.
4. After the above is completed, we will develop several preliminary design concepts for your review. Together, we will review the concepts, identifying what you like and don't like about each one. We will then develop a concept or two that incorporates your likes and discards your dislikes. We will also develop preliminary cost estimates for these revised concepts. Through this process of interactive meetings, we will develop a design for the project that will promote your goals and vision.
5. We will handle project management duties for all aspects of the project, coordinating both in-house architectural aspects as well as consultant's components. We will work with you to ensure your needs and goals are met, delivering the project both economically and successfully to the schedule set forth in the scope of work.



Portsmouth Public Library

Most importantly, we believe in a team format. This team includes all players within the project including our Design Team, you, your staff, and your board. Our goal is to work with you to create a schedule and set of deadlines that we all understand and agree with. Along with this schedule, we plan a series of update meetings and reviews. Each of these steps allow us to check ourselves, update everyone on the status of design and drawings, identify areas of the project that may be lagging behind, and generally keep the Team on track towards the ultimate goal of getting the project under construction and finished.

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Featured Project

**Public Plaza @ Clark Athletic Complex
Portsmouth, Ohio**

Completed 2012



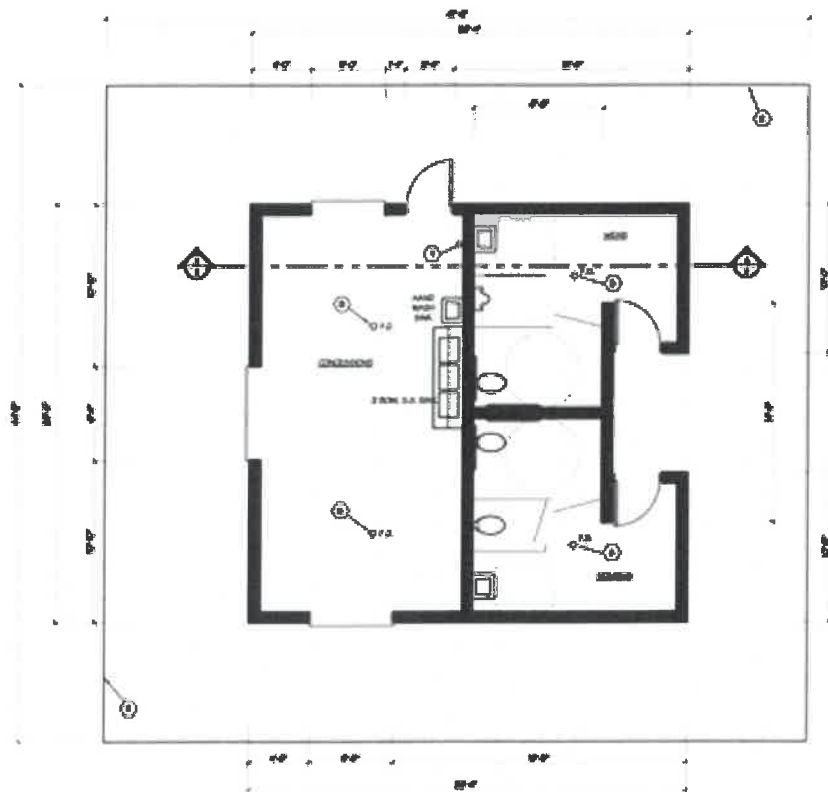
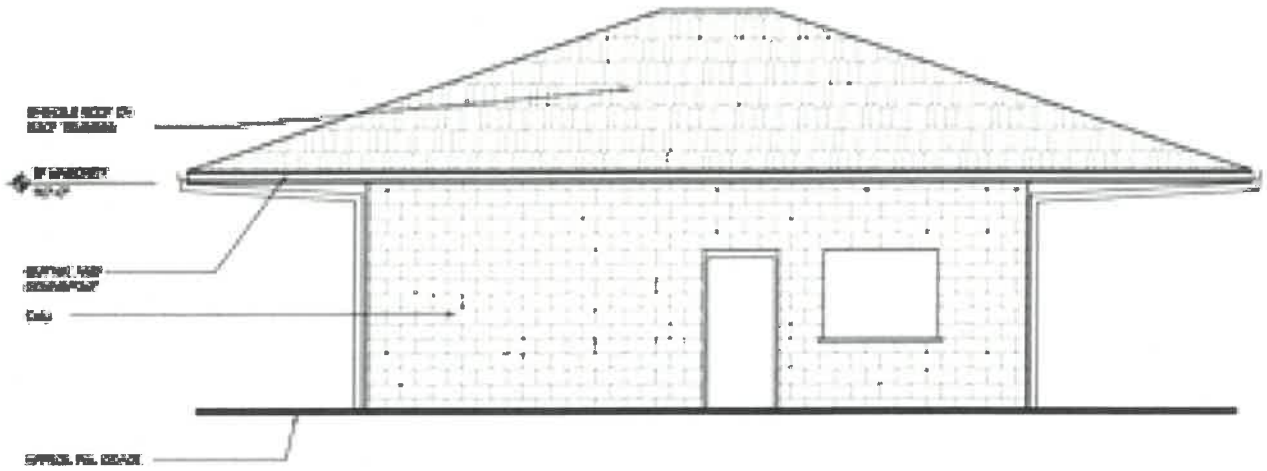
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Featured Project

Portsmouth Little League - Unbuilt



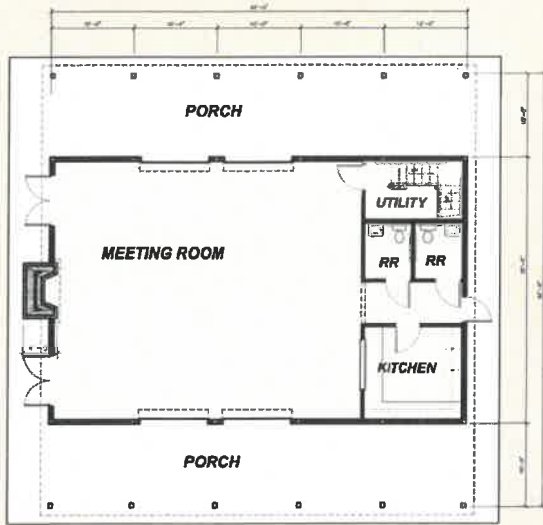
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Feature Project

Georgetown Pavilion



INTERIOR VIEW



EXTERIOR VIEW

NEW PICNIC PAVILION

OHIO VETERAN'S HOME
GEORGETOWN, OHIO

**TANNER
STONE
& COMPANY**
Architects



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Parks



**Tracy Park Playground
Portsmouth, OH**



**KIA-MIA Memorial
Portsmouth, OH**

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Restaurants / Concessions



**Coffee at the Lofts
Portsmouth, OH**



**The Wharf
Portsmouth, OH**



**Scioto Valley Concession
Piketon, OH**

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740.354.6621 / www.TSHDarchitects.com

Pools

**Shawnee State Lodge
West Portsmouth, OH**



**Bristol Village Pool Addition
Waverly, OH**



**Pike County YMCA
Waverly, OH**

TSHD architects

1010 Coles Boulevard, Portsmouth, Ohio 45662
740.354.6621 / www.TSHDarchitects.com

Restaurants, Concessions



**Coffee at the Lofts
Portsmouth, OH**



**The Wharf
Portsmouth, OH**



**Scioto Valley Athletic Complex
Piketon, OH**

TSHD architects

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ATTACHMENT C
Signed Forms



Purchasing Division
 2019 Washington Street East
 Post Office Box 50130
 Charleston, WV 25305-0130

State of West Virginia
 Centralized Expression of Interest
 02 - Architect/Engr

Proc Folder: 612358

Doc Description: A/E Services-Twin Falls Resort Outdoor Pool and Structures

Proc Type: Central Contract - Fixed Amt

Date Issued	Solicitation Closes	Solicitation No	Version
2019-07-30	2019-08-16 13:30:00	CEOI 0310 DNR2000000002	1

BID RECEIVING LOCATION

BID CLERK

DEPARTMENT OF ADMINISTRATION

PURCHASING DIVISION

2019 WASHINGTON ST E

CHARLESTON

WV 25305

US

VENDOR

Vendor Name, Address and Telephone Number:

FOR INFORMATION CONTACT THE BUYER

Guy Nisbet
 (304) 558-2596
 guy.l.nisbet@wv.gov

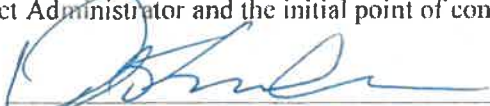
Signature X

FEIN # 550592304

DATE 8-14-19

All offers subject to all terms and conditions contained in this solicitation

DESIGNATED CONTACT: Vendor appoints the individual identified in this Section as the Contract Administrator and the initial point of contact for matters relating to this Contract.



(Name, Title)

David F. Meadows, Chief Technical Officer

(Printed Name and Title)

10541 Teays Valley Road

(Address)

304-755-0721 | 304-755-1880

(Phone Number) / (Fax Number)

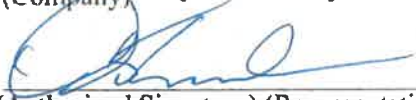
dmeadows@triadeng.com

(email address)

CERTIFICATION AND SIGNATURE: By signing below, or submitting documentation through wvOASIS, I certify that I have reviewed this Solicitation in its entirety; that I understand the requirements, terms and conditions, and other information contained herein; that this bid, offer or proposal constitutes an offer to the State that cannot be unilaterally withdrawn; that the product or service proposed meets the mandatory requirements contained in the Solicitation for that product or service, unless otherwise stated herein; that the Vendor accepts the terms and conditions contained in the Solicitation, unless otherwise stated herein; that I am submitting this bid, offer or proposal for review and consideration; that I am authorized by the vendor to execute and submit this bid, offer, or proposal, or any documents related thereto on vendor's behalf; that I am authorized to bind the vendor in a contractual relationship; and that to the best of my knowledge, the vendor has properly registered with any State agency that may require registration.

Triad Engineering, Inc.

(Company)



(Authorized Signature) (Representative Name, Title)

David F. Meadows Chief Technical Officer

(Printed Name and Title of Authorized Representative)

8/14/19

(Date)

304-755-0721 | 304-755-1880

(Phone Number) (Fax Number)

STATE OF WEST VIRGINIA
Purchasing Division

PURCHASING AFFIDAVIT

CONSTRUCTION CONTRACTS: Under W. Va. Code § 5-22-1(i), the contracting public entity shall not award a construction contract to any bidder that is known to be in default on any monetary obligation owed to the state or a political subdivision of the state, including, but not limited to, obligations related to payroll taxes, property taxes, sales and use taxes, fire service fees, or other fines or fees.

ALL CONTRACTS: Under W. Va. Code §5A-3-10a, no contract or renewal of any contract may be awarded by the state or any of its political subdivisions to any vendor or prospective vendor when the vendor or prospective vendor or a related party to the vendor or prospective vendor is a debtor and: (1) the debt owed is an amount greater than one thousand dollars in the aggregate; or (2) the debtor is in employer default.

EXCEPTION: The prohibition listed above does not apply where a vendor has contested any tax administered pursuant to chapter eleven of the W. Va. Code, workers' compensation premium, permit fee or environmental fee or assessment and the matter has not become final or where the vendor has entered into a payment plan or agreement and the vendor is not in default of any of the provisions of such plan or agreement.

DEFINITIONS:

"Debt" means any assessment, premium, penalty, fine, tax or other amount of money owed to the state or any of its political subdivisions because of a judgment, fine, permit violation, license assessment, defaulted workers' compensation premium, penalty or other assessment presently delinquent or due and required to be paid to the state or any of its political subdivisions, including any interest or additional penalties accrued thereon.

"Employer default" means having an outstanding balance or liability to the old fund or to the uninsured employers' fund or being in policy default, as defined in W. Va. Code § 23-2c-2, failure to maintain mandatory workers' compensation coverage, or failure to fully meet its obligations as a workers' compensation self-insured employer. An employer is not in employer default if it has entered into a repayment agreement with the Insurance Commissioner and remains in compliance with the obligations under the repayment agreement.

"Related party" means a party, whether an individual, corporation, partnership, association, limited liability company or any other form or business association or other entity whatsoever, related to any vendor by blood, marriage, ownership or contract through which the party has a relationship of ownership or other interest with the vendor so that the party will actually or by effect receive or control a portion of the benefit, profit or other consideration from performance of a vendor contract with the party receiving an amount that meets or exceeds five percent of the total contract amount.

AFFIRMATION: By signing this form, the vendor's authorized signer affirms and acknowledges under penalty of law for false swearing (W. Va. Code §61-5-3) that: (1) for construction contracts, the vendor is not in default on any monetary obligation owed to the state or a political subdivision of the state, and (2) for all other contracts, that neither vendor nor any related party owe a debt as defined above and that neither vendor nor any related party are in employer default as defined above, unless the debt or employer default is permitted under the exception above.

WITNESS THE FOLLOWING SIGNATURE:

Vendor's Name: Triad Engineering, Inc.

Authorized Signature: [Signature] Date: 8-14-19

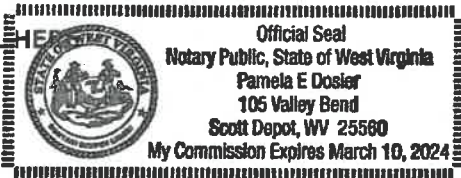
State of West Virginia

County of Putnam, to-wit:

Taken, subscribed, and sworn to before me this 14th day of August, 2019

My Commission expires March 10, 2024

AFFIX SEAL HERE



NOTARY PUBLIC

[Signature]

Purchasing Affidavit (Revised 01/19/2018)



Disclosure of Interested Parties to Contracts

Pursuant to *W. Va. Code* § 6D-1-2, a state agency may not enter into a contract, or a series of related contracts, that has/have an actual or estimated value of \$1 million or more until the business entity submits to the contracting state agency a Disclosure of Interested Parties to the applicable contract. In addition, the business entity awarded a contract is obligated to submit a supplemental Disclosure of Interested Parties reflecting any new or differing interested parties to the contract within 30 days following the completion or termination of the applicable contract.

For purposes of complying with these requirements, the following definitions apply:

"Business entity" means any entity recognized by law through which business is conducted, including a sole proprietorship, partnership or corporation, but does not include publicly traded companies listed on a national or international stock exchange.

"Interested party" or *"Interested parties"* means:

- (1) A business entity performing work or service pursuant to, or in furtherance of, the applicable contract, including specifically sub-contractors;
- (2) the person(s) who have an ownership interest equal to or greater than 25% in the business entity performing work or service pursuant to, or in furtherance of, the applicable contract. (This subdivision does not apply to a publicly traded company); and
- (3) the person or business entity, if any, that served as a compensated broker or intermediary to actively facilitate the applicable contract or negotiated the terms of the applicable contract with the state agency. (This subdivision does not apply to persons or business entities performing legal services related to the negotiation or drafting of the applicable contract.)

"State agency" means a board, commission, office, department or other agency in the executive, judicial or legislative branch of state government, including publicly funded institutions of higher education: Provided, that for purposes of *W. Va. Code* § 6D-1-2, the West Virginia Investment Management Board shall not be deemed a state agency nor subject to the requirements of that provision.

The contracting business entity must complete this form and submit it to the contracting state agency prior to contract award and to complete another form within 30 days of contract completion or termination.

This form was created by the State of West Virginia Ethics Commission, 210 Brooks Street, Suite 300, Charleston, WV 25301-1804. Telephone: (304)558-0664; fax: (304)558-2169; e-mail: ethics@wv.gov; website: www.ethics.wv.gov.

West Virginia Ethics Commission
Disclosure of Interested Parties to Contracts

(Required by W. Va. Code § 6D-1-2)

Name of Contracting Business Entity: Triad Engineering Address: 10541 Teays Valley Rd.
Scott Depot, WV 25560

Name of Authorized Agent: Dave Meadows Address: Same

Contract Number: _____ Contract Description: _____

Governmental agency awarding contract: _____

Check here if this is a Supplemental Disclosure

List the Names of Interested Parties to the contract which are known or reasonably anticipated by the contracting business entity for each category below (attach additional pages if necessary):

- 1. Subcontractors or other entities performing work or service under the Contract
 Check here if none, otherwise list entity/individual names below.

- 2. Any person or entity who owns 25% or more of contracting entity (not applicable to publicly traded entities)
 Check here if none, otherwise list entity/individual names below.

- 3. Any person or entity that facilitated, or negotiated the terms of, the applicable contract (excluding legal services related to the negotiation or drafting of the applicable contract)
 Check here if none, otherwise list entity/individual names below.

Signature: [Signature] Date Signed: 8-14-19

Notary Verification

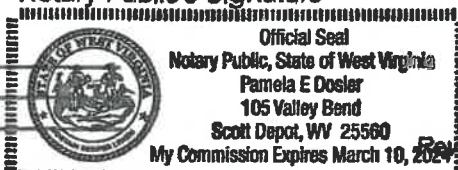
State of WEST VIRGINIA, County of Putnam

I, DAVID F. MEADOWS, the authorized agent of the contracting business entity listed above, being duly sworn, acknowledge that the Disclosure herein is being made under oath and under the penalty of perjury.

Taken, sworn to and subscribed before me this 14th day of August, 2019.
Pamela E. Osler

To be completed by State Agency:
Date Received by State Agency: _____
Date submitted to Ethics Commission: _____
Governmental agency submitting Disclosure: _____

Notary Public's Signature



Official Seal
Notary Public, State of West Virginia
Pamela E Osler
105 Valley Bend
Scott Depot, WV 25560
My Commission Expires March 10, 2024

Released June 8, 2018